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INTRODUCTION.

THE Council's Library consists of all books belonging to the Council and shelved in the Library, the Committee rooms, the rooms set apart for the Chairman, the Vice-Chairman, the Deputy-Chairman, and the Officers' rooms at the County Hall, or attached to the County Hall. These latter, although primarily for the special use of the department in which they are located, are always held available for other use as occasion demands, and when they have fulfilled the immediate purpose for which they are supplied, and are no longer in constant use in that particular department, they are removed to the Library.

For some time past the number of books in the Library has been steadily increasing, fresh purchases being continually made in accordance with a scheme approved on 18th November, 1897, by the Establishment Committee, which at that time had charge of the Library, a function now performed by the Historical Records and Buildings Committee.

In accordance with this scheme it is provided that the Library shall consist of nine sections, as follows: (1) Municipal histories and records, (2) London histories and records, (3) Local government, (4) London local government, (5) Local taxation, (6) London local taxation, (7) Statistics, (8) Local government services, (9) General reference books.

Section 1 (Municipal histories and records) is to contain the published records of the counties and municipalities of the country, together with the municipal histories.

Section 2 (London histories and records) is to consist of the principal histories of London as a whole, histories of the various parishes in London, and the published records of the Corporation of the City, of the County of Middlesex, and those parishes which have published their records. This section is also to include a

selection as complete as possible of maps of London and Acts of Parliament relating to London.

Section 3 (Local government) is to consist of—

(1.) Those treatises on the history, functions, and powers of local government published both at home and abroad, including those general treatises on economics which contain sections on local government.

(2.) Accounts and publications of local government authorities.

Section 4 (London local government) is to consist of those books relating to London local government in particular, including published works on the general subject and particular reports and documents published by Parliament and by the local authorities in London.

Section 5 (Local taxation) is to consist of the general treatises on local taxation, published by recognised authorities on the subject, together with particular reports and documents published by Parliament and by local authorities.

Section 6 (London local taxation) is to consist of published works on local taxation of London, parliamentary reports and documents, and accounts and reports of local authorities.

Section 7 (Statistics) is to consist of statistical publications, both parliamentary, local and general, which deal with matters primarily relating to London, to local government and taxation, and to matters which concern the administration of local affairs.

Section 8 (Local government services) is to consist of treatises published by recognised authorities on such subjects as light railways, electric lighting, drainage, bridges, food supply, markets, water supply, fire brigades, lunacy, and other services which are administered by local government, together with the parliamentary reports and other publications which come in the same category.

Section 9 (General reference books) is to consist of those necessary dictionaries and general works of legal and technical reference which it may be advisable to have for the use of the Council.

At the present time the Library does not in its various sections answer to all these requirements in the same degree of completeness. Efforts are being made, however, to remedy the Library's deficiencies, and render it as useful as possible to members of the Council.

With regard to the use of the Library by members of the

Council, it may be mentioned that the Library is available, not only as a reference Library, but also as a *lending* Library in accordance with regulations approved by the Historical Records and Buildings Committee. These regulations are as follows:—

1. The Council's Library consists of all books belonging to the Council and shelved in the Library, the Committee rooms, the Chairman's room, the Vice-Chairman's room, the Deputy-Chairman's room, and officers' rooms at the County Hall, or attached to the County Hall.

2. The books shelved in officers' rooms are primarily for the special use of the department to which they belong, but shall be held available for other use as occasion demands.

3. The books shelved in the Library are for the use of members of the Council and chief officers of the Council.

4. All applications for books under Rule 3 are to be made to the Librarian, and no book is to be taken away except on such application.

5. Each book borrowed is to be returned to the Librarian within one month from the date of its being issued.

6. Dictionaries and similar books of reference are to be returned on the same day as they are borrowed.

7. Each borrower is to sign a receipt, on the printed form provided for the purpose, for each book taken out of the Library, which receipt is to be delivered to the borrower when the book is returned.

8. Members of the Council or others who wish to recommend books for the Library are requested to enter the particulars thereof in the "Desiderata" book which is placed on the Library table.

For some considerable time past the absence of a catalogue of the contents of the Library has greatly detracted from its usefulness. As far back as 1895 the Council approved of the printing of a catalogue of the books belonging to the Council, which at the time I was in process of compiling. The catalogue was to be a bibliographical one, containing, besides the title, a list of the contents of each work so far as they related to London and local government matters, and an index of subjects. Moreover, a catalogue of all the most important manuscripts, plans, and documents in the Council's record rooms, some dating from the reign of Queen Elizabeth, was ordered to be prepared and added to the

catalogue. Steps were at once taken to have the work put in hand, but owing to the great pressure of work of a more important nature in the Statistical Department, of which I was then chief officer, it proved impossible for that amount of time and attention to be devoted to it which was necessary for its prompt completion. It is therefore only after a considerable delay that the book makes its appearance. Since the reorganization of the work of the Library, consequent on its transfer to the department of the Clerk of the Council, however, the progress has relatively been much more rapid, and the last five months have seen more than half of the catalogue through the press. The exigencies of the Council's work as a whole, and the extended period during which the issue of the book has proceeded, have necessitated the details of the work being entrusted to several officers in succession, and this fact will sufficiently account for any inconsistencies which may possibly be apparent in the completed work.

During the time which has elapsed since the first sheets of the catalogue were sent to press, there have been many additions to the Library, and it is proposed to follow up the issue of this catalogue with a supplement containing the books which have been added, the subject index, a list of maps and engravings, and the catalogue of important manuscripts, etc. It is hoped that this volume will be issued in a few months' time.

In conclusion, I wish to make acknowledgment of the assistance rendered to me during the printing of the first portion of the catalogue by Mr. P. E. Braun, of the Local Government and Statistical Department, who showed great interest in the work, and spared no pains to make it a success. Latterly the execution of the work has been supervised by Mr. W. W. Braines, the Librarian, under my direction, and I am much indebted for his valuable help.

G. L. GOMME,
Clerk of the Council.

COUNTY HALL,
SPRING GARDENS, S.W.,
11th June, 1902.

CATALOGUE OF BOOKS

IN THE

LIBRARY OF THE LONDON COUNTY COUNCIL.

Abbott (John William) A history of London from the earliest period to the present time, with some account of the present state of its most important public buildings. London, 1821. 8vo, pp. 261. 1 plate.

Contents, *inter alia*: Estimate of damage done by the great fire—Description of the City wards—Ecclesiastical and civil government—Officers of the Corporation.

Abel (Professor F. A.) Electricity applied to explosive purposes. *See* Preece (W. H.).

Accountants and Auditors, Society of, List of members, extracts from the articles and bye-laws. London, 1893. Sm. 8vo, pp. 115.

Acland (Arthur H. D.) and **H. Llewellyn Smith**, Studies in secondary education. London, 1892. 8vo, pp. xxviii., 334.

Contents:—

The educational problem of to-day	...	...	H. Llewellyn Smith.
The growth of our school system	...	...	G. R. Benson.
Report of the schools inquiry commission	...	...	G. R. Benson.
Recent progress in England	...	...	{ G. R. Benson and H. Llewellyn Smith.
Working of the technical instruction acts in	...	...	{ Henry Hobhouse, M.P.
Somerset	...	...	{
Working of the intermediate education act in	...	...	{ Arthur H. D. Acland
Wales	...	...	{ M.P.
Secondary education in London—Boys	...	...	H. Llewellyn Smith.
—Girls	...	...	Clara E. Collet.
Secondary education in Liverpool	...	...	A. P. Laurie.
Secondary schools in Birmingham	...	...	H. Llewellyn Smith.
Secondary schools of Reading	...	...	G. R. Benson.

Appendix—Note on the objects and work of the National Association for the promotion of technical and secondary education.

Acts of Parliament. *See* "Parliament."

Adams (Sir Francis Ottwell) and **C. D. Cunningham**, The Swiss confederation. London, 1889. 8vo, pp. xx. 289 with index.

Addison (C. G.) The history of the Knights Templars, the Temple Church, and the Temple. London, 1842. 4to, pp. xviii., 395.

——— A treatise on the law of contracts. Eighth edition. London, 1883. 8vo, pp. cxxvi., 1467.

——— The same—ninth edition. London, 1892. 8vo, pp. cxxiv., 1367.

——— Wrongs and their remedies, being a treatise on the law of Torts. Third edition. London, 1870. 8vo, pp. xevii., 1162.

——— The same—another edition. London, 1879. 8vo, pp. lxxxv., 810.

——— The same—sixth edition. London, 1887. 8vo, pp. xc., 895.

Addresses, remonstrances and petitions to the Throne, commencing the 28th October, 1760, with the answers thereto. London, 1865. 8vo, pp. 345.

Addresses presented to Lord Denman, and his Lordship's answers, with the proceedings on his first accession to office. London, 1850. 8vo, pp. iv., 71.

Adolphus (John Leycester) Reports of cases in the Court of King's Bench. *See* Barnewall (R. V.).

——— and **Thomas Flower Ellis**, Reports of cases argued and determined in the Court of King's and Queen's Bench. London, 1835–1856. 8vo, vol. i.–xii.; new series, vol. i.–xviii., 30 vol.

Adulteration of Food Act, 1872. Report from the select committee on, together with the proceedings of the committee, minutes of evidence and Appendix. 1874. Fo., pp. xxvi., 459.

Agas (Ralph) Civitas Londinium, a survey of the cities of London and Westminster, the borough of Southwark, and parts adjacent, in the reign of Queen Elizabeth. By W. H. Overall and E. J. Francis. London, 1874. 4to, pp. 30, and folding map.

Aikin (John) History of the environs of London, containing an historical and topographical account of . . . all the towns, villages and country within twenty-five miles of the Metropolis. London, 1811. 4to, pp. viii., 811 [7].

Contents: General account of Middlesex—of Surrey—of Kent—of Essex—of Hertfordshire—the Thames—the Navigable canals—the New river—Middlesex (43 towns)—Surrey (36 towns)—Kent (117 towns)—Essex (136 towns)—Herts (83 towns)—Maps of Middlesex, country around London, Surrey, Kent, Essex, Hertfordshire, the Thames, the Canals: 15 plates.

Albany, City of. Proceedings of the Board of Commissioners of the Washington Park, from 14th January, 1884, to 14th January, 1889, inclusive. Albany, 1889. 8vo, pp. 202.

Alderson (Edward Hall) Reports of cases in the Court of King's Bench. See Barnewall (R.V.).

Aldgate, Parish of, Acts of Parliament relating to, 1740-1888. London. Folio.

Contents: Church, 1740—Docks, 1825, 1829, 1830—Improvements, 1812, 1813, 1814, 1816—Paving, 1771, 1807—Poor rate, 1810, 1811—Tithes, 1879, 1881, 1888.

Alexander (Sir James Edward) Cleopatra's needle, the obelisk of Alexandria, its acquisition and removal to England described. London, 1879. Svo, pp. xvi., 109.

Allen (Alfred H.) Commercial organic analysis: a treatise on the properties, proximate analytical examination, and modes of assaying the various organic chemicals and products employed in the arts, manufactures, medicine, with concise methods for the detection and determination of their impurities, adulterations and products of decomposition. London. Svo, 4 vol.

Vol. I. (1885.) pp. xi., 476.

Vol. II. (1886.) pp. xi., 583.

Vol. III.—Part I. (1889.) pp. viii., 431.

Vol. III.—Part II. (1892.) pp. viii., 584.

Allen (Thomas) History and antiquities of London, Westminster, Southwark, and parts adjacent. London, 1827. Svo, 4 vol.

Vol. I., pp. viii., 468 [16]. 13 plates.

Vol. II., pp. viii., 589. 30 plates.

Contents, *inter alia*: Account of the civil government of the City—Account of the twelve principal companies of the City—Historical and topographical account of London, Blackfriars, Westminster, Waterloo, and Southwark bridges.

Vol. III., pp. x., 788. 83 plates.

Contents, *inter alia*: History and topography of the City wards.

Vol. IV., pp. ix., 574. 32 plates.

Contents, *inter alia*: History and topography of the parishes—List of principal books that have been published in illustration of the History of London.

—— The History and antiquities of the parish of Lambeth and the archiepiscopal palace, in the county of Surrey. London, 1826. Svo, pp. 458. Illustrated.

Contents: Etymology—Boundaries and extent—Rectory and Rectors—Church—Monuments and epitaphs—Historical occurrences—Collegiate church—Manor of Lambeth—Lambeth palace—Manors of Kennington, Vauxhall, Stockwell, Lambeth Wyke, Levehurst, Boddileys, Upgrove, and Scarlets—St. John's district—St. Mary's district—St. Mark's district—St. Matthew's district—St. Luke's district.

Allnutt (Z.) Accounts of the navigation of the rivers and canals, west of London, comprising important and interesting particulars of information, with tables of distances, time of navigating, and prices of carriage on each river and canal. Henley [n.d.]. Svo, pp. 20. 1 map.

Contents: Thames—Isis—Wey—Basingstoke canal—Kennet—Wilts and Berks canal—Kennet and Avon canal—Avon—Thames and Severn canal—Stroud canal—Berkley and Gloucester canal—Severn—Canals and railroads in South Wales.

Allport (Douglas) Collections illustrative of the geology, history, antiquities and associations of Camberwell and the neighbourhood. Camberwell, 1841. Svo. pp. xvi., 255 [5]. 11 plates.

Contents, *inter alia*: Roman camp—Etymologies—Manors—Church of St. Giles—Monuments and Inscriptions—Asylums, &c. - Dulwich.

Alphand (A.) Les promenades de Paris. Paris, 1867—1873. Folio, 2 vol.

Vol. I. Texte, pp. x. [12] lix., 245 [cvi.]

Vol. II. Planches.

——— Note du directeur des travaux de Paris sur la situation du service des eaux et égouts et sur les mesures à proposer au conseil municipal. Paris, 1879. 4to, pp. 264. Maps and plans.

Ambulator; or, a pocket companion in a tour round London within a circuit of 25 miles. London, 1800. Svo. pp. xii., 252.

Contents, *inter alia*: Origin and extent of London—Government—Parks and Palaces—Principal buildings and offices—Bridges—Museums.

Analyst, The, including the proceedings of the Society of Public Analysts, a monthly journal devoted to the advancement of the analysis of food and drugs and of general analytical and microscopical research. London, 1885—1893. Vol. x.—xviii. Svo, 9 vol. (*Continuing.*)

Anderson (William) Generation of steam and the thermo-dynamic problems involved. *See* Heat.

Annual Practice, being a collection of the statutes, orders, and rules relating to the general practice, procedure, and jurisdiction of the Chancery and Queen's Bench Divisions of the High Court of Justice, and on appeal therefrom to the Court of Appeal, and to the House of Lords. With copious notes, forms, &c. London, 1884-95. Svo, 12 vol. (*Continuing.*)

Ansted (Professor D. T.) Water and water supply, chiefly in reference to the British Islands. London, 1878. Svo, pp. xii., 580.

Contents: Physical properties of water—Rainfall, evaporation, and percolation—Drainage areas, rivers and river basins—Drainage system of the Thames—Drainage areas of the south of England—The basin of the Severn and the Welsh coast drainage—Drainage areas of the east of England between the Thames and the Humber basins—The Humber system—The basin of the Ouse—The basins of the Trent and Humber—Drainage areas of the north-east of England—Drainage areas of the north-west of England and the south-west of Scotland—Drainage areas of Scotland and Ireland—River beds, river banks, and results of river action.

Archbold (John Frederick) The law and practice in bankruptcy, as founded on the recent statutes. London, 1840. Svo, pp. cc., 456. App. 248.

——— Pleading and evidence in criminal cases; with the statutes, precedents of indictments, &c., and the evidence necessary to support them. Twentieth edition. London, 1886. Svo, pp. xxvii., 1207.

Archbold (John Frederick) Practice of the Queen's Bench, Common Pleas and Exchequer Divisions of the High Court of Justice in actions, &c., in which they have a common jurisdiction. Thirteenth edition. London, 1879. 8vo, 2 vol.

——— The statutes relating to lunacy, comprising the law with respect to pauper lunatics, hospitals and licensed houses, inquisitions in lunacy, and criminal lunatics. Second edition. London, 1877. 8vo, pp. lx., 735.

——— The same—third edition. London, 1890. 8vo, pp. clxci., 660.

——— The Poor Law; comprising the law of relief, settlement, and removal of the poor, together with the law relating to pauper lunatics and the poor rate. Fourteenth edition. London, 1885. 8vo, pp. xlviii., 1090.

——— The practice of the Court of Quarter Sessions, and its civil, administrative and appellate jurisdiction, to which is added a short treatise on its criminal jurisdiction. Fourth edition, revised and enlarged by Frederick Mead and H. H. S. Croft. London, 1885. 8vo, pp. xl., 1065, with index.

Archer (J. W.) Vestiges of old London: a series of etchings with descriptions and historical notices. London, 1851. Folio, pp. vi., [152] 37 plates.

Plates: Monument of John Stow—London-wall (7 plates)—Altar of Diana, Foster-lane—Roman vestiges—Crypt, Lambeth Palace—Tomb of Rahere, St. Bartholomew's Priory, Smithfield—Room in the "Coach and Horses." Bartholomew-close—West Gate, St. Bartholomew's Priory—Salt Tower, Tower of London—East Gate, Bernondsey Abbey—Chapel of St. Bartholomew, Kings-lan—Drapers' Almshouses, Crutched-friars—Room in the "King's Arms." Westminster—Wood carving in the "Cock Inn," Westminster—"Cock and Magpie." Drury-lane—Monuments of Old St. Paul's—Staircase of Southampton House, Holborn—House of Sir Paul Pindar—Door of mansion in Houndsditch—Room in Fulwood's-rents, Grays-inn—Chimney piece in the "Baptist's Head," Clerkenwell—Tomb of Bishop Andrews, St. Saviour's, Southwark—Milton's House—Dryden's House—Old Bulk Shop, Temple Bar—Remains of Clarendon House, Piccadilly—Old Houses near Field-lane—Interior of Fleet Ditch—Street Monuments (3 plates).

Archibald (W. F. A.), J. H. Greenhalgh and James Roberts. The Metropolitan Police guide, being a compendium of the civil and criminal law affecting or relating to the Metropolitan Police. London, 1891. 8vo, pp. xlix., 1208, with index.

Contents: Table of cases—Table of statutes—Establishment of the police force—Metropolitan Police district—The Commissioner—Assistant Commissioners—Enrolment and duties of constables—The Receiver—Finance—Metropolitan Police Magistrates—Acts more particularly affecting the Metropolitan Police—Acts relating to procedure—Acts relating to matters and offences, arranged alphabetically.

Arlidge (J. T.) The hygiene, diseases and mortality of occupations. London, 1892. 8vo, pp. xx., 568.

Contents: Conditions and circumstances of labour—Statistics in relation to conditions of labour—Classification of occupations, non-traders, traders—Pathology of dust inhalation, mining and manufacture—Poisonous materials—Noxious vapours—Excessive temperatures—Electricity—Atmospheric pressure—Prolonged use, strain, pressure and friction—Exposure to infection and contagion.

Arnold (Thomas James) A treatise on the law relating to municipal corporations in England and Wales. Third edition. London, 1883. 8vo, pp. xxxii., 629.

Contents: Table of statutes—Table of cases—Corporations generally—Constitution and government of boroughs—Elections—Corrupt practices and petitions—Corporate property and liability—Charitable and other trusts and powers—Borough fund and rate—County rate—Administration of justice—Police—Freemen—Charters—Legal proceedings—Boundaries—Schedule of the Municipal Corporations Act, 1882—Municipal elections—Appendix—Enactments incorporated in the Act of 1882.

Artizans' and Labourers' Dwellings Improvement, Report from the select committee on; together with the proceedings of the committee, minutes of evidence and appendix. Folio, 2 vol.

Vol. I. (1881.) pp. xii., 414.

Vol. II. (1882.) pp. xxx., 302.

Contents of appendices—

1881.—1-13. Official representations made to the Board of Works by medical officers of health of various parishes and districts. 15. Particulars of dwellings of the Metropolitan Association—Artizans' dwellings, statement of the agencies at present at work. 16. Sixteenth annual report of the Peabody Donation Fund—Rents charged at the various groups of buildings—Employments of the tenants. 17. White-chapel and Lincolnsquare scheme. 18. Golden-lane and Petticoat-square scheme. 19. Occupations of the tenants of the Improved Industrial Dwellings Company. 20. Agreement between the Metropolitan Board of Works and the Governors of the Peabody Donation Fund. 25. Occupations of tenants of the Metropolitan Association for Improving the Dwellings of the Industrial Classes—Rents per week, and distances from work.

1882.—1. Awards made under Artizans' and Labourers' Dwellings Improvement Act, 1875—Occupations of tenants of Victoria Dwellings Association. 2. Comparative statement showing original estimates and the actual amounts received for recoupment, also comparative statement of cost and estimated recoupment—Cost of public-houses to the Metropolitan Board of Works. 3. Artizans' schemes, comparison of outlay and estimated return. 4. Sun-street to Worship-street improvement—Particulars of weekly tenants, lodgers, &c., and places of rehabilitation—Sites reserved for erection of labourers' dwellings under sec. 49 of Metropolitan Street Improvements Act, 1872—Re-housing labouring classes, sections inserted in railway and other Acts. 5. Trade Societies and number of members. 8. Amended conditions of sale of artizans' plots as finally approved by the Secretary of State. 11. Rateable value of the Metropolis, the City, the amount raised by precept by the Metropolitan Board of Works, and the amount the City would have had to contribute if charged with its share, 1878-82—Receipts and disbursements of Metropolitan Board of Works for artizans' dwellings 1875-81. 12. Population and inhabited houses in the City, Metropolitan Police District, and London within limits of Metropolitan Management Acts, 1851, 1861, 1871, 1881.

Ashpitel (Arthur) and **John Whichcord**, Town dwellings; an essay on the erection of fire-proof houses in flats; a modification of the Scottish and Continental Systems, adapted to the smallest, or to moderate means. London, 1855. pp. 40. 9 plates.

Atchley () Civil Engineer's and contractor's estimate and price book, for home or foreign service. London, 1868. 8vo, pp. vi., 202, and x., 136. 9 plates.

Ayckbourn (Hubert) Forms of practical proceedings in the High Court of Chancery, with all the existing orders of court, rules and regulations, forming the second volume of the practice of the court; carefully revised. London, 1866. 8vo, pp. xx., 162.

—— The practice of the High Court of Chancery, as altered by recent statutes. London, 1866. 8vo, pp. xlviii., 710.

—— Chancery practice. London, 1880. 8vo, pp. xvi., 284.

Ayckbourn (Thomas H.) and **Hubert Ayckbourn**, Forms of practical proceedings in the High Court of Chancery, with the orders of the court, rules and regulations. London, 1855. 8vo, pp. xxi., 277.

Ayrton (W. E.) Practical electricity. Third edition. London, 1888. 8vo, pp. xvi., 516.

B

- Babbage (Chas.)** Table of logarithms of the natural numbers from 1 to 108,000. London, 1872. 8vo, pp. xii., 202.
- Baddeley (M. J. B.) and C. S. Ward,** Thorough guide series. London. 8vo, 3 vol.
- Vol. I. Second edition. (1888.) South Wales, pp. xvi., 178. 18 maps and plans.
- Vol. II. Part I. Third edition. (1889.) North Wales, pp. xxiv., 218. 14 maps and plans.
- Vol. II. Part II. Third edition. (1891.) North Wales, pp. xvii., 147. 11 maps and plans.
- Badeslade (Thomas)** The history of the ancient and present state of the navigation of the port of Kings Lynn and of Cambridge . . . also the history of the ancient and present state of draining in the Bedford level . . . with the method proposed for draining the said Fens. . . . by Col. John Armstrong, Chief Engineer of England. London, 1725. Folio, pp. xi., 148 [10, 14, 22]. Maps.
- Baker (B.)** On the strengths of beams, columns and arches. London, 1870. 8vo, pp. xii., 320.
- Baker (Rev. R. G.)** Account of the benefactions and charitable funds in the parish of Fulham, showing the origin, the object, the present annual income and administration of each. London, 1846. 8vo, pp. x., 82.
- [Forty-three different charities are described, and on pp. 80-2 is "a list of charities which appear to have lapsed or to have been lost, the parishioners not being in receipt of them" copied from a MS. report among the Vestry papers.]
- Baker (T.)** The laws relating to burials, with notes, forms, and practical instructions. Fourth edition. London, 1873. 8vo, pp. 335.
- The laws of public health. Sanitary—Medical—Protective. London, 1865. 8vo, pp. xviii., 698.
- Baker (William Lewis)** The beam or technical elements of girder construction. London, 1892. 8vo, pp. 213, with Index, diagrams and tables.
- Baltard (V.)** Monographie des halles centrales de Paris construites sous le régime de Napoléon III. et sous l'administration de M. le Baron Haussmann. Paris, 1863. Folio, pp. 36. 35 plates.
- Bancroft (Robert M.) and Francis J. Bancroft,** Tall chimney construction: a practical treatise on the construction of tall chimney shafts, containing details of upwards of eighty existing mill, engine-house, brick works, cement works and other chimneys in England, America and the Continent, constructed in brick, stone, iron and concrete. Manchester, 1885. 8vo, pp. vii. 136. 10 plates.

Banfield (Frank) The great landlords of London, with map showing the estates. London [n.d.]. 8vo, pp. 160.

Contents: On map making—Portman estate and policy—Grosvenor estate and policy—Bedford estate and policy—The Weatherley correspondence.

Baretti () Italian Dictionary: a new dictionary of the Italian and English languages, compiled by John Davenport and Guiglielmo Comelati. London, 1854. 8vo, 2 vol.

Vol. I. Italian and English, pp. iv., 797.

Vol. II. English and Italian, pp. 753.

Barlow () Tables of squares, cubes, square roots, cube roots, reciprocals of all integer numbers up to 10,000. London, 1890. 8vo, pp. vi., 200.

Barnewall (Richard Vaughan) and John Leycester Adolphus, Reports of cases argued and determined in the Court of King's Bench. London, 1831-5. 8vo, 5 vol.

Barnewall (Richard Vaughan) and Edward Hall Alderson, Reports of cases argued and determined in the Court of King's Bench. London, 1818-1822. 8vo, 5 vol.

Barnewall (Richard Vaughan) and Cresswell Cresswell, Reports of cases argued and determined in the Court of King's Bench. London, 1823-1832. 8vo, 10 vol.

Barrow-in-Furness, Abstract of accounts, 1893-94. Barrow, 1894. 8vo.

Bastable (C. F.) Public finance. London, 1892. 8vo, pp. xx., 672.

Contents:—Introduction.

Book I., Public expenditure—State economy, the cost of defence, justice and security, administrative supervision, poor relief, education, religion, expenditure on industry and commerce, constitutional and diplomatic expenditure, central and local expenditure, some general questions of expenditure.

Book II., Public revenue—Economic or quasi-private receipts: The forms and classification of public revenues, the State Domain, lands and forests, the Industrial domain, the State as capitalist, administrative revenue, state property, general considerations on quasi-private revenue.

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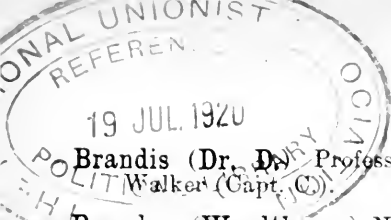
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Vol. III.—Serjeants' Inn, p. 53. Inner and Middle Temples, p. 290.

Vol. IV.—Grocers' Company, p. 131. Haberdashers' Company, p. 139. Ironmongers' Company, p. 169. Drapers' Company, p. 281. Scriveners', p. 285.

— Memoirs of the Tower of London. See Britton (John).

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——— Report from the select committee on metropolitan bridges, together with the proceedings of the committee, minutes of evidence, appendix and index. London, 1854. Folio, pp. xii., 195. 11 plans.

Contents of appendix: Tables showing pedestrian, equestrian and vehicular traffic over London, Southwark, Blackfriars, Waterloo and Westminster bridges in each hour between 9 a.m. and 6 p.m. on one day in 1853—Table showing proportions, cost and other particulars relating to the same bridges—Table showing revenue of Staines bridge in each year from 1829 to 1853 and average annual expenditure—Rate of toll levied for passage over Richmond bridge and amount received in each year from 1850 to 1853—Table showing dividends per share paid, and cost of repairs to the Hammersmith bridge trustees in each year from 1828 to 1854—Table showing gross and net receipts of Putney bridge in each year from 1844 to 1850—Return of amounts annually received in respect of coal duties since the 31st December, 1831, distinguishing the produce of the several duties of eightpence, fourpence and one penny, with the respective application thereof—Tables showing the number of vehicles passing through certain thoroughfares of the City of London upon certain days in 1850—Statement of traffic over Charing-cross bridge in each year from 1845 to 1854—Waterloo Bridge Company: Income and expenditure 1853–4, and amount of bridge tolls received

Bridges, Report of Select Committee—*continued*.

in each year from 1817 to 1854—Southwark Bridge Company: statement of annual tolls from the opening of the bridge on Ladyday, 1819, to the 31st December, 1835; gate traffic for four weeks, from 1st to 28th August, 1851, during the period that London bridge was partially shut up for paving; dividends paid in each year from 1824 to 1854—An account of monies (i.) received, (ii.) disbursed by the Corporation of Kingston-upon-Thames, in the County of Surrey, as commissioners for rebuilding Kingston bridge, between the 1st September, 1852, and 1st September, 1853—Statement of the income and property of Battersea bridge in 1842 and 1853—Hungerford bridge: explanation of 11 accompanying plans.

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There are bound up with the report the original Bill and the Bill as amended.

Contents of appendix: Net earnings, 1865 and 1876, of the toll bridges—Statement showing growth of the tolls—Cost of repairs and maintenance of bridges—Amount of toll received by the Waterloo Bridge Company for eleven years from 1866 to 1876, and total tolls received from opening of the bridge.

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Vol. III. HAB—ORD. pp. 1151.

Vol. IV. POOR. pp. xxxii., 1173.

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Census of Great Britain, 1801. London, 1801. Folio, 2 vol.

Vol. I. Enumeration. pp. [ix.], 547.

This volume gives the number of houses (inhabited, by how many families occupied, uninhabited) ; and persons (males, females) ; and the occupation of the persons (agriculture ; trade, manufactures, or handicraft ; all others) in each township, village, parish or hamlet of each hundred of each county in England, Wales and Scotland in 1801.

London is contained in the counties of Middlesex (pp. 207-216), where figures for each of the City parishes are given separately, and also for London within the walls, London without the walls, and the City of Westminster ; Kent (pp. 155-159) ; and Surrey (pp. 351, 355). On pp. 499-503, the above particulars are extracted, and also particulars given of the parishes within and without the bills of mortality.

Vol. II. Parish registers. pp. [iv.], 459.

This volume gives the number of baptisms and burials in each of the years 1700, 1710, 1720, 1730, 1740, 1750, 1760, 1770, 1780-1800, and marriages in each of the years 1751-1800 in each hundred of each county of England and Wales. Scotland is not given, as "no more than 99 parishes, out of the 850 parishes of Scotland which have made returns, are in possession of regular registers."

London is contained in the counties of Middlesex (pp. 177-184), Kent (p. 139), and Surrey (pp. 301, 308). On pp. 441-448 the London figures are extracted.

Census of Great Britain, 1811. London, 1812. Folio, pp. xxxi., 511, 200.

This volume is in two parts: enumeration abstract, and parish register abstract. The former gives the number of houses (inhabited, by how many families occupied, building, uninhabited); occupations (agriculture; trade, manufactures or handicraft; all others); and persons (males, females) in each parish, township or extra-parochial place of each hundred, ward, or wapentake of each county. London is contained in the counties of Middlesex (pp. 193-199), where the City of London parishes are given separately, Kent (pp. 146-148), and Surrey (pp. 326, 331). London figures are extracted on pp. 510-511 under the headings: within the London bills of mortality; not within the London bills of mortality.

The second part gives the number of baptisms, burials, and marriages in each of the years from 1801 to 1810 in each hundred, borough-town, lathe, &c., of each county. London is contained in the counties of Middlesex (pp. 89-91), where the figures are given for the City of London within the walls, the City of London without the walls, the City and Liberties of Westminster; Kent (pp. 146-148); and Surrey (pp. 326, 331). On pp. 197-198 figures are given for the out-parishes in Middlesex and Surrey, including the borough of Southwark, parishes not within the London bills of mortality, but forming part of the metropolis. On p. 199 is given the population in 1700, 1750, 1801, and 1811, of: City of London within the walls, City of London without the walls, City and Liberties of Westminster, out-parishes within the bills of mortality, parishes not within the bills of mortality, total of the Metropolis. On p. 200 is a comparison of the number of baptisms and burials within the London bills of mortality: (i.) according to the parish registers, (ii.) according to the bills of mortality in each of the years 1700, 1710, 1720, 1730, 1740, 1750, 1760, 1770, 1780-1810.

Census of Great Britain, 1821. London, 1822. Folio, pp. xxxvi., 551, 160.

This volume is divided into two parts: enumeration abstract and parish register abstract. The former gives the number of houses (inhabited, by how many families occupied, building, uninhabited), occupations (families chiefly employed in agriculture; in trade, manufactures, or handicraft; all others), and persons (males, females, total) in each parish, township, &c., of each hundred, &c., of each county. London is contained in the counties of Middlesex (pp. 190-197), where the City of London parishes are given separately, Kent (pp. 145-149), and Surrey (pp. 326, 330, 331). London figures are also extracted on pp. 550-551 under the headings: within the London bills of mortality; not within the London bills of mortality. Ages are given on p. 551.

The second part gives the number of baptisms, burials and marriages in each year from 1811 to 1820 in each hundred of each county. London figures are given in Middlesex on pp. 71-73; in Kent on pp. 56-57, and in Surrey on pp. 118 and 120; figures for the out-parishes in Middlesex and Surrey, including the borough of Southwark; for parishes not within the London bills of mortality, but forming part of the Metropolis; and summary of the Metropolis are given on pp. 157-158. Remarks on the assumed limits and extent of the Metropolis; population of the Metropolis under the headings (i.) City of London within the walls; (ii.) City of London without the walls; (iii.) City and Liberties of Westminster; (iv.) out-parishes, within the bills of mortality; (v.) parishes not within the bills of mortality in each of the years 1700, 1750, 1801, 1811, and 1821 are given on p. 159. On p. 160 is given a comparison of the number of baptisms and burials in each of the years from 1811 to 1820, according to the parish registers and according to the bills of mortality.

Census of Great Britain, 1831. Comparative account of the population of Great Britain in the years 1801, 1811, 1821, and

Census of Great Britain, 1831—continued.

1831; with the annual value of real property in the year 1815; also, a statement of progress in the inquiry regarding the occupations of families and persons, and the duration of life, as required by the Population Act of 1830. London, 1831. Folio, pp. 417. Maps.

The population is of persons only. London is contained in the counties of Middlesex (pp. 161-166), Kent (pp. 121-129), and Surrey (pp. 258-261), the parishes being arranged alphabetically. In addition to the rateable value in 1815 for all parishes, the rateable value of some parishes (chiefly the metropolitan) in the county of Middlesex in 1828 is also given. Further particulars of London population: within the walls, without the walls, Southwark, Westminster, within the bills of mortality, and adjacent parishes not within the bills of mortality, are given on pp. 8-13 (a map showing these divisions faces p. 12); and on pp. 412 and 414 the population is given for males and females in hundreds, &c., only.

——— Parish register abstract, 1831. London, 1833. Folio, pp. 500. Maps.

The number of baptisms, burials, and marriages in each of the years 1821 to 1830 is given for each hundred of each county, also particulars of parish registers prior to 1813 that were in existence in 1831.

London is contained in the counties of Middlesex (pp. 190-194); Kent (pp. 147-150); and Surrey (pp. 327-331). These figures are summarised on pp. 494-500.

Census of Great Britain, 1841. London, 1843. Folio, 2 vol.

Vol. I. Enumeration abstract, pp. 38, 471, 81.

This volume gives the following particulars of each parish, hamlet etc., of each hundred of each county; area; number of houses (inhabited, uninhabited, building); number of persons (males, females, total); ages of the people (over and under 20); birthplaces (in the county, elsewhere).

London is contained in the counties of Middlesex (pp. 178-183), where figures for each of the City parishes are given separately, and also for London within the walls, London without the walls, Inns of Court and Chancery, and the City and Liberty of Westminster; Kent (pp. 136-139); and Surrey (pp. 308, 309, 312, 313). On pp. 468-470, the above particulars are extracted, and, in addition, figures are given for London, within and without the bills of mortality; also the ages of persons enumerated in the metropolis.

Vol. II. Age abstract, pp. iv., 496, 153.

This volume gives the ages in five-year periods of persons in each hundred, town, &c., of each county. London is contained in the counties of Middlesex (pp. 158-171); Kent (pp. 118-127), and Surrey (pp. 284-291). On pp. 478-485, and pp. 490-496, the above figures are extracted. On pp. 488-489 is given the number of children (male and female) enumerated at each year of life up to 14 years in certain cities and towns (including the metropolis) in England and Wales.

Census of Great Britain, 1851. London, 1852-4. Folio, 4 vol.

Part I. Numbers of the inhabitants in the years 1801, 1811, 1821, 1831, 1841, and 1851. 2 vol.

Vol. I.—England and Wales—Divisions I-VI., comprising the London, south-eastern, south-midland, eastern, south-western, and west-midland counties; pp. cxxi., 45; xi., 94; ix., 87; ix., 73; xiii., 102; xiii., 120.

The area, number of houses, 1841 and 1851, and population at each census from 1801 to 1851 of each London parish are given on pp. 2-31. The distribution of land and water (Thames) in each parish is given on pp. 30-31. Houses and population of parliamentary divisions and number of members returned are given on p. 33. Houses and population in ecclesiastical districts,

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with date of formation, are given on pp. 31-37. Houses and population within the bills of mortality, 1801 to 1851, with additions made during that period, are given on pp. 38-41. Houses and population in 1801 to 1851, of London within the old bills of mortality of 1603, and the parishes and places added in the years 1606, 1626, 1636, 1726, 1831, 1838, 1844, and 1846 are given on pp. 40-41. Population in 1801 to 1851, of parishes within the limits of the bills of mortality at different periods is given on pp. 42-45. Population in 1631 of the City of London wards is given on p. 45.

Vol. II.—England and Wales—Divisions VII.-XI., comprising the north-midland, north-western, Yorkshire, northern, and Welsh counties; Scotland and islands in the British seas; pp. iv., ix., 99; vii., 73; xi., 107; vii., 73; xi., 91; ix., 113, 10, 23. Appendix: ecclesiastical divisions of England and Wales—area, houses, and population of dioceses, number of archdeaconries, deaneries, and benefices in each.

Part II. Ages, civil condition, occupations, and birthplaces of the people, with the numbers and ages of the blind, the deaf and dumb, and the inmates of workhouses, prisons, lunatic asylums, and hospitals. 2 vol.

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Vol. I. Report: tables appended to the report; population tables. Supplement: Effect of the orders of the Boundary Commissioners appointed under the provisions of the Local Government (Scotland) Act, 1889, as regards the population, &c., of the counties and parishes in Scotland, with report. pp. xxxi., 368; iv., 146.

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Part I. Area, houses, and population: also the ages, civil or conjugal condition, occupations, birthplaces, religion, and education of the people.

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Census of New South Wales, 1891, Vol. I.—continued.

The census is arranged under the following nine headings:—Ages, education, conjugal condition, religions, birthplaces, sickness and infirmity, habitations, occupations, miscellaneous.

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[These are “the arranged sets of Reports of Commissioners on Charities, 1-29, prepared in pursuance of the recommendation of the House of Commons Library Committee,” and relate to London only, the several portions being abstracted from the volumes i. ii., iii., iv., vii., viii., x., xii., xiv., xx., xxii., xxiii., xxiv., xxix., and xxxii. of the Reports of the Commissioners.]

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Vol. I.—London within the Walls—London without the Walls—Index.

Vol. II.—City of London—Index.

Vol. III.—City of London Chartered Companies—City of Westminster—Index.

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[The charities are arranged under the names of the various donors.]

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[The charities are arranged under the names of the various towns and parishes to which they belong.]

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Charities—*continued.*

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[The charities are arranged under the names of the various parishes to which they belong.]

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Charities — Royal City Parochial Charities Commission — *continued.*

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- Vol. xxxiv. South dock of the West India Docks.
- Vol. xli. Pneumatic transmission of telegrams.
- Vol. xlv. Flow of the river Thames, January 1, 1876.
- Vol. lxx. River Thames. Sydenham tunnel construction, London, Chatham and Dover Railway.
- Vol. lxx. Victoria, Albert, and Chelsea embankments.
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Appendix C.—Extracts from Acts relating to the several Companies, with date and title of each Act—Extracts from Acts relating to the conservancy of the Thames and Lee.

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Part II. shows, for such manors, &c., as have been disposed of (except such as have been appropriated to purposes of improvements in the metropolis) between 1786 and 1830, the date of each sale, exchange or other disposition; locality and description of premises; to whom disposed of; purchase money; in what manner disposed of; terms unexpired of subsisting leases; rents payable at time of disposition. London estates are included in Kent (pp. 440-447), Middlesex (pp. 452-459), and Surrey (pp. 480-497).

Part III. shows, for such manors, etc., as have been acquired by the Crown (except for purposes of improvements in the metropolis and allotments under Inclosure Acts), the same particulars as in Part I. London estates are included in Kent (pp. 532-535), Middlesex (pp. 534-547), and Surrey (pp. 552-561).

Part IV. shows, for such manors, etc., comprised in the preceding return as have been disposed of between 1786 and 1830, the same particulars as in Part II. London estates are included in Kent, London, and Middlesex (pp. 590-591).

Part V. shows, for all messuages, etc., acquired by the Crown for the purposes of the Regent-street, Charing-cross, Strand and other improvements in the metropolis, locality and description of premises; names of vendors; particulars of interests purchased; periods from which purchases were made; amount of purchase money.

Part VI. shows, for all messuages etc., belonging to the Crown, granted under authority of the Regent-street Act, dates of the leases; locality and description of premises; names of lessees; terms granted; annual value of premises by latest survey; rents reserved; other considerations for leases.

Part VII. is a return of the number of Acts of Inclosure affecting the property of the Crown, passed since the year 1786, and under the provisions of which allotments have been awarded to His Majesty.

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- — — Report of a committee appointed by the President of the Local Government Board to inquire into the several modes of treating town sewage. London, 1876. Folio, pp. lxxiii., 130. 13 maps and plans.
- - - Sewerage, drainage, and water supply.—Suggestions as to preparation of district maps. London, 1878. Folio, pp. 40. 18 plans.
- - - Royal Commission on metropolitan sewage discharge, 1882. 2 vol.

Vol. I. First report, minutes of evidence taken from July, 1882, to July, 1883, together with a selection from the appendices, and a digest of the evidence. London, 1884. Folio, pp. lxxviii.; viii., 866. 3 plans.

The report is divided into three parts: Historical notice in regard to the drainage of London—The system under which sewage is discharged into the Thames by the Metropolitan Board of Works—Whether any evil effects result therefrom.

Contents, *inter alia*: Remarks on condition of samples of water taken hourly from Crossness and Barking outfalls between midday, the 28th, and 10 a.m., the 29th July, 1882—Sewage discharge at Crossness and Barking in each year from 1869 to 1878—List of foul outfalls into Thames in 1881—Analysis of samples of Thames water, 1881—Hourly rainfall at Kew Observatory on days on which the rate of fall reached or exceeded .96 of an inch per day in each year from 1877 to 1880—Effect of the mixing action in the river Thames—Temperatures of the Thames water in each month of the years 1874 to 1879—Chlorine in 100,000 parts of water at various places on the Thames in 1882—Population north and south of the Thames in each year from 1871 to 1881, and estimated population in each year from 1882 to 1901—Sewage discharge at Crossness and Barking per head per day in each year from 1875 to 1882—Table of capacity of the Thames—Table showing rate of progress towards the sea due to upland and tidal waters—Tables showing extent of Thames pollution in 1882—Time occupied by fresh water and sewage in traversing river—Density of population in 1871 and 1881—Population and area of the districts drained on the north and south of the Thames in 1881—Mean velocities of the current between Blackwall and Long Reach.

Contents of appendix, *inter alia*: Tidal experiments; distance travelled by floats on flood and ebb tides—Gaugings of the Thames—Result of experiments on rate at which rain falls, and the extent to which the maximum fall affects the flow in the sewers of Croydon—Rainfall and weather observations for the years 1878 and 1879—Analyses of London sewage—Rainfall and discharge of suspended matter and sewage during 1878 and 1879—Quantity of dry mud discharged into the Thames from the London sewers during 1878 and 1879.

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The report is divided into six parts: Supplementary remarks on the evils resulting from the present metropolitan sewage discharge—General aspect of the question of the disposal of town sewage; former inquiries and discussions on the subject—Proceedings of the commission—Separation of sewage from rainfall—Prospect of profit from the utilization of sewage—Examination of various plans for the treatment of metropolitan sewage.

Drainage and Sewerage. Royal Commission on metropolitan sewage discharge, Vol. II.—*continued*.

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Contents of last volume:—

Report (pp. lxxxv.); Introductory—Analysis of statistics—Summary tables of educational statistics—Curve diagrams of educational progress from 1870 to 1896.

Appendix to report (pp. 706), *inter alia*: Detailed statistics of annual grant schools, showing (i.) expenditure from education grants, 1839-96; (ii.) annual grant list of public elementary day schools on 31st August, 1896; (iii.) public elementary day schools inspected during the year ending 31st August, 1896; (iv.) evening continuation schools for year ending 31st August, 1896; (v.) public elementary day schools and evening continuation schools; (vi.) certified efficient schools for year ending 31st August, 1896; (vii.) special tables, public elementary day schools—Reports of H.M. inspectors of elementary schools and training colleges—Voluntary Schools Act, 1897—Elementary Education Act, 1897—Day School Code, 1897—Revised instructions to inspectors, 1897—Evening Continuation School Code, 1897.

Returns (pp. 59) showing (i.) expenditure from the grant for public education in England and Wales in the year 1896 upon annual grants to elementary schools; (ii.) actual number of public elementary day schools on the annual grant list on the 31st August, 1896, accommodation and

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number of scholars in those schools; (iii.) results of the inspection and examination of public elementary day schools, evening continuation schools, and certified efficient schools during the year ending 31st August, 1896; accommodation, number of scholars, teachers employed, particulars of grant earned, income and expenditure, &c.

Returns (pp. 568) of (i.) schools in receipt of parliamentary grants; (ii.) grants paid to school boards under section 97 of the Elementary Education Act, 1870; (iii.) School Board accounts and list of loans: List, under school districts, for the inspection year ended 31st August, 1896, of elementary day schools in receipt of parliamentary grants, showing, for each school, accommodation, average attendance, amount of annual grant (London is given on pp. 154-166)—List of schools certified under the Elementary Education (Blind and Deaf Children) Act, 1893, in receipt of parliamentary grants (London is given on p. 302)—List of elementary evening continuation schools in receipt of parliamentary grants (London is given on pp. 372-375)—Grants paid to school boards under section 97 of the Elementary Education Act, 1870, during year ended 31st March, 1897—Return showing, for each school board in England and Wales for the year ended 29th September, 1896, income under the heads (i.) grants from Committee of Council on Education (ii.) under Technical Instruction Act, 1889 (iii.) school fees, and books, &c., sold to children (iv.) amount paid to treasurer by rating authority, and rate per £ (v.) income arising from other sources (vi.) loans (vii.) total receipts; expenditure under the heads (i.) legal and other expenses of administration (ii.) expenses of maintenance of public elementary schools (iii.) contributions towards, or expenses of, industrial schools (iv.) under Technical Instruction Act, 1889 (v.) capital charges, viz., (*a*) purchase of land and erection, enlargement or alterations of school buildings (*b*) furnishing school buildings (vi.) loans (*a*) repayment (*b*) interest (vii.) expenses not included under foregoing heads (viii.) total expenditure; liabilities for loans and other liabilities (London is given on pp. 480-481)—List of school boards to which loans have been sanctioned during the year ended 31st March, 1897, with amount of such loans—List of school boards to which loans have been sanctioned for the provision of accommodation for blind and deaf children during the year ending 31st March, 1897, with amount of such loans.

——— Special reports on educational subjects, 1893-97. London, 1897. 8vo, pp. iv., 732.

Contents: Public elementary education in England and Wales, 1870-95—English students in foreign training colleges—Brush work in an elementary school—The A B C of drawing, an inquiry into the principles underlying elementary instruction in drawing—Domestic economy teaching in England—Technical education for girls—The secondary day school attached to the Battersea Polytechnic, London, an experiment in the co-education of boys and girls—A brief sketch of the history of the Irish system of elementary education (with a table of dates showing the reciprocal influence of Irish on English, and of English on Irish, education)—National system of education in Ireland—Recent legislation on elementary education in Belgium—Housewifery schools and classes of Belgium—French system of higher primary schools—Realschulen in Berlin and their bearing on questions of secondary and commercial education—Oberrealschulen of Prussia, with special reference to the Oberrealschule at Charlottenburg—Prussian elementary school code—Continuation schools (Fortbildungsschulen) in Saxony—School journey in Germany—Teaching of the mother tongue in Germany—Holiday courses in France and Germany for instruction in modern languages—Recent educational progress in Denmark—Education in Egypt—Education of girls and women in Spain—National bureau of education in the United States—History of the Manitoba school system and issues of the recent controversy—Admission of women to universities—List of the chief official publications on education in Great Britain and Ireland.

Education, Special reports—*continued*.

The report on "Public elementary education in England and Wales, 1870-95" is considered under the heads: Introductory—Central authorities—School boards and school attendance committees—Schools under voluntary managers—Cost of public elementary education—Codes and conditions of award of grants—Teaching staff—Schools, accommodation, number of scholars, average attendance—Subjects of instruction in day schools—School savings banks and school libraries. There are numerous statistical tables for all England and Wales only in the course of the report.

— A verbatim report, with indexes, of the debate in Parliament during the progress of the Elementary Education Bill, 1870, together with a reprint of the Act. London, [n.d.], 8vo, pp. xx., 622.

— Report of the Royal Commission appointed to inquire into the working of the Elementary Education Acts, England and Wales. London, 1886-88. Folio, 9 vol.

Vol. I. First report, minutes of evidence taken from 17th February, 1886, to 23rd June, 1886, and appendix, 1886, pp. viii., 543.

Contents of appendix, *inter alia*: Return for each of the years 1863-85 of as many of the following particulars as official records will supply with respect to schools under inspection in England and Wales, viz., accommodation; number and ages of scholars on the registers, in average attendance, examined by the inspector, and presented in standards suited to their age; average cost of instruction; income from subscriptions, rates, school fees, and other sources; annual grants made by the Education Department—Income, expenditure and grant of the voluntary and board schools in certain localities during the year 1884-85—Distribution of the population of England and Wales under school boards and school attendance committees and under bye-law standards—Cost per scholar under denominations in each of the years 1865-85—Table showing, for infant schools and classes, average number of scholars in attendance (for payment), percentage of schools and classes recommended for payment under article 106, average rate of claim per scholar in average attendance, for year ended 31st August, 1885—Table showing, for schools and classes for older scholars, number of departments, average number of scholars in attendance (for payment), percentage of departments recommended for payments, average rates of claims for payments, percentage of pupil teachers recommended for payment, number of small schools paid special grants, and total rate of claim per scholar in average attendance, for year ended 31st August, 1885—Return showing, for counties in England and Wales and in the metropolitan district, number of schools in which accommodation is less than 60, their accommodation on and average number of scholars in attendance for year ended 31st August, 1885—A similar return for schools with accommodation for 60 or more in which average attendance is less than 60—Summary of merit grant in the metropolitan division for year ended 30th September, 1885—Return showing, for each of the years 1870-84, number of children attending voluntary schools; amount of expenditure, school fees, voluntary subscriptions, government grant; receipts from other sources; number of new schools established; average cost, grant, school fees, and voluntary contributions, per child in average attendance—Number of parishes in each county of England and Wales with populations not exceeding 500, according to census of 1881.

Vol. II. Second report, minutes of evidence taken from 9th November, 1886, to 6th April, 1887, and appendix, 1887, pp. xvi., 1694.

Contents of appendix, *inter alia*: Tables showing, for each division of the London School Board district, accommodation, number on roll, average attendance, &c., at efficient schools during half-year ended Mid

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summer, 1886; number of children in various standards on roll for week ended 19th March, 1886; prosecutions during year ended 31st December, 1886; difference in mode of assessment of merit grant in the reports of inspectors for years ended 31st January, 1885, 1886 and 1887; number of schools examined in drawing as a class subject during 1886; specific subjects in which children were examined by H.M. inspector, and number who passed in each subject during year ended 25th September, 1885; summary of results of examination in scripture knowledge—Variation of percentage of attendance in London board schools with fee of the school—Accommodation of efficient schools transferred to the Board—Number of pupil teachers attending pupil teachers' schools who have previously attended secondary schools—Results of examination of pupil teachers, 1881, 1884 and 1886—Correspondence and report having reference to the building of a board school in Upper Kennington-lane, 1884—Accounts for month ended 11th December, 1886, at each centre of the London School Board where instruction is given in cookery—Social condition of candidates for scholarships—Rating of board and voluntary schools in London arranged according to the areas under the jurisdiction of the various assessment committees—Return of all children above seven years of age admitted to schools opened during year ended 30th September, 1886.

Vol. III. Third report, minutes of evidence taken from 19th April, 1887, to 19th July, 1887, and appendix. 1887. pp. xvi., 744.

Contents of appendix, *inter alia*: Number of cases of children whose fees were under remission by the School Board for London on 18th March, 1887, with periods for which the fees were remitted—Cost of each school under the Birmingham School Board—Number of children sent to industrial schools from Huddersfield—Migrations of families in the East Lambeth division of the London School Board—Memorandum upon the education of the working classes in the city of Paris—Comparative statistics of illiteracy in England, 1870 and 1884, as shown by the number of marriage signatures by mark in each county—Population in each county, population under school boards, number of scholars on registers, and average attendance in 1885—Changes in percentage of population on the registers and in average attendance for each county between 1882 and 1885—Number of school boards in each county, in parishes with a population of 100, 200, 300, 400 and 500, respectively—Names of parishes in each county with a population under 200 and 300 respectively, and the rate levied in each in 1885.

Vol. IV. Final Report. 1888. pp. xxiv., 501.

The main report is arranged under the following heads: The existing law—The existing state of facts—Machinery for carrying on public elementary education—Education and instruction given in public elementary schools—Government examination, the parliamentary grant, and cost of elementary schools—Local educational authorities—Summary of recommendations—Reservations. There is a second report by eight members of the Commission entitled, "Reasons for dissenting from the report of the majority of the Commission, and summary of our own recommendations," with a reservation; and a third report by five of the above eight, "discussing more in detail the evidence taken by us, and the general position of elementary education at the present day," also with a reservation. In addition to these three reports there are also given: List of witnesses who have given evidence—List of returns &c., which have been furnished—Syllabus of points for inquiry—Synopsis of final report—Summary of statistical report—List of recorded divisions of the Commission—Appendix. Important tables are: Tables showing (i.) for 27 large towns having not less than 10,000 children on the roll in all public elementary schools; (ii.) for 23 medium towns having less than 10,000 and more than 3,000; (iii.) for 15 smaller towns having less than 3,000; (iv.) for towns

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with no board schools having more than 3,000; (x.) for towns with no board schools having less than 3,000, the following particulars, viz., population, 1881, accommodation, number on roll, average attendance, amount of voluntary subscriptions or rates, and other particulars.

Vol. V. Digest of evidence. 1888. pp. viii., 318.

In this volume a digest is given of the evidence of each witness.

Vol. VI. Index to evidence. 1888. pp. 262.

In this volume a digest is given of the evidence under each subject.

Vol. VII. Information obtained in answer to inquiries made by circular respecting the state of elementary education in certain foreign countries and British colonies. 1888. pp. iii., 335.

Vol. VIII. Statistical report. 1888. pp. 487.

This volume consists of the tabulated answers to circulars sent to managers of schools.

Vol. IX. Information obtained in answer to inquiries made by circular addressed to the principals of training colleges in England and Wales in receipt of a government grant. 1888. pp. 224.

Among other training colleges particulars are given of those at Battersea, Borough-road, Chelsea, Hammersmith, Westminster, Gray's Inn-road, South-lands (Battersea), Stockwell, Wandsworth, and Homerton.

Elementary education.—Return showing by counties, for each public elementary school examined in England and Wales, the name and denomination of school; the number of scholars for whom accommodation was provided; the average number of scholars in attendance; the annual grant paid; and particulars of school income and expenditure (with summaries), for the year ended 31st August, 1893. London, 1894. Folio, pp. 838.

Income is given under the heads (i.) from annual grant, 1891-92; (ii.) from fee grant; (iii. and iv.) endowment, amount and amount per head; (v. and vi.) from voluntary contributions (including collections in churches or chapels) or rates, amount and amount per head; (vii. and viii.) from school peccie, amount and amount per head; (ix.) from books (in addition to school peccie); (x.) from Science and Art Department; (xi.) from other sources; (xii.) total income. Expenditure is given under the heads (i.) on salaries of teachers; (ii.) on books and apparatus; (iii.) miscellaneous, including repairs, furniture, rent, fuel and light, cleaning, rates and taxes, &c.; (iv.) total expenditure. The schools are arranged in each county under voluntary and board in alphabetical order of parishes. London is given on pp. 382-419 and is arranged under the School Board divisions. In addition to the main return and its summaries there are also given: Number of schools in each county in which the amount per head derived from voluntary contributions or rates falls under certain specified amounts per head (exclusive of returns made for periods of more or less than twelve months)—Table showing for each of the years 1871 to 1893 the total income from voluntary subscriptions, the total income from rates, the total annual grants, and the amounts per head.

Royal Commission on Secondary Education, 1894. London, 1895. 8vo, 9 vol.

Vol. I. Report of the Commissioners, and appendix. 1895. pp. xxvi., 451.

The report is divided into four parts: Historical sketch—Present condition of secondary education in England—Review of evidence, with discussion of suggestions made by certain witnesses—Recommendations. The recommend-

Education, Secondary Education Commission, Vol. I.—*continued*.

ations are set out under five heads : The central authority—Local authorities—Arrangements for the better organisation of schools—Financial arrangements—Questions specially affecting teachers.

Contents of appendix, *inter alia* : Amounts appropriated and spent on education by each county council and county borough during 1893-94—List of secondary schools aided by each county council and county borough during 1893-94—List of secondary schools founded or being founded by county councils during 1893-94—Evening continuation schools earning grants from county councils and county boroughs—Conditions on which aid is given to secondary schools by county councils and county boroughs—Amounts applied to scholarships of various classes and number of scholars elected to such scholarships during each of the years 1892, 1893, 1894 by county councils and county boroughs—Value and length of tenure of, and character of examination for, scholarships and exhibitions—Further conditions of tenure—Secondary schools at which scholarships were held on May 1st, 1894—Universities, university colleges, and institutions of similar rank for women at which scholarships were held on May 1st, 1894—Occupations of parents of scholarship holders—Distribution of endowments under Endowed Schools Acts, Science and Art grants, and appropriated Local Taxation Act grants in each county and county borough—Index.

Vol. II. Minutes of evidence taken from 24th April, 1894, to 19th June, 1894, and appendix. 1895. pp. iii., 595.

Contents of appendix, *inter alia* : Statistics as to university careers of pupils in the schools of the Girls' Public Day School Company, Limited, to December, 1893—Report of the Technical Education Board for 1893-94.

Vol. III. Minutes of evidence taken from 20th June, 1894, to 8th August, 1894, and appendix. 1895. pp. iii., 560.

Contents of appendix, *inter alia* : Analysis of occupations for year ended November, 1893, of past boys of the Bridge-street School, Birmingham—Statistics relating to higher grade and organised science schools.

Vol. IV. Minutes of evidence taken from 2nd October, 1894, to 26th March, 1895, and appendix. 1895. pp. iii., 564.

Contents of appendix, *inter alia* : Abstract of accounts of the Maria Grey Training College, Brondesbury—Summary of receipts and payments of 401 endowed secondary schools—Analysis of salaries of headmasters and average salaries of assistant masters of endowed secondary schools, compiled from statements of accounts returned to the Charity Commission.

Vol. V. Memoranda and answers to questions. 1895. pp. 646.

The memoranda by the Royal Commissioners are briefly on the following subjects : Age for entrance into universities—Financial resources available for secondary education—Contributions of private school teachers to the improvement of educational methods—Pensions and provident funds for teachers—Various methods of securing representation of teachers on the central and local authorities for secondary education—Leaving examination as conducted in the secondary schools of Prussia—Advantage of having the same central and local authorities for secondary and elementary education—Proportion of population receiving a secondary education, and extent to which public elementary schools are used as preparatory schools—Welsh Intermediate Education Act, 1889—Future constitution of the Charity Commission—History of endowed schools—Training of teachers—Relation which should subsist between primary and secondary schools—Training of teachers of secondary schools in France—Registration and training of teachers in secondary schools in the German Empire.

Education, Secondary Education Commission—*continued*.

Vol. VI. Reports of the Assistant Commissioners on the counties of Bedford, Devon, Lancaster (the hundreds of Salford and West Derby), Norfolk. 1895. pp. viii., 427.

Vol. VII. Reports of the Assistant Commissioners on the counties of Surrey, Warwick, and Yorkshire; and on certain features of secondary education in the United States of America and in Canada. 1895. pp. viii., 409.

Vol. VIII. Summary of, and index to, minutes of evidence. 1895. pp. xvi., 195.

Vol. IX. Appendix; statistical tables. 1895. pp. 437.

Contents, *inter alia*: Return of foundations in England, exclusive of the county of Monmouth, the endowments or parts of the endowments of which are recorded in the books of the Charity Commissioners for England and Wales as subject to the provisions of the Endowed Schools Acts, showing, in respect of each foundation, the name, place, county, gross income, date of any scheme established under the Endowed Schools Acts, and of any amending scheme established under those Acts or the Charitable Trusts Acts; and, if no scheme has been established under the Endowed Schools Acts, whether any, and what, proceedings, and at what dates, have taken place, with a view to a scheme under those Acts (London is given on pp. 80-99)—Statement as to apportionment between educational and other objects in the case of endowments dealt with by schemes under the Endowed Schools Acts in which such apportionment has been made (London is given on pp. 187-188)—Secondary girls' schools regulated by schemes made under the Endowed Schools Acts (London is given on pp. 201-202)—Apportionment of income between boys' and girls' schools where separate schools for boys and girls are maintained out of one foundation (London is given on pp. 209-210)—Provision made for education of girls (London is given on pp. 218-219)—Particulars of establishment, accommodation and attendance in three London School Board (mixed) schools—Number, age and standard of scholars in higher grade elementary schools in selected counties and London in 1893-94—Specimen curricula in various schools in London and the rest of England—Results of inquiry made by the Technical Education Board into the number of pupils attending secondary schools in London.

Second report of the Royal Commissioners on Technical Instruction. London, 1884. 8vo, 2 vol.

Vol. I. Report of the Commissioners. pp. 557.

Contents: Technical education on the continent—Visits to industrial establishments on the continent—Visits to various institutions in the United Kingdom—Conclusions—Reports on schools for teaching domestic trades in South Germany and the Austrian provinces.

Vol. II. Report on agricultural education in North Germany, France, Denmark, Belgium, Holland, and the United Kingdom; by H. M. Jenkins. pp. 412.

There are bound up with this volume: Report on technical education in the United States of America and Canada, by William Mather, pp. 81—Notes on technical instruction in the United States, by the Commissioners, pp. 8.

Technical Education, Report of the proceedings of the fourth meeting of the International Congress on. [Society for the encouragement of Arts, Manufactures, and Commerce.] London, 1897. 8vo, pp. vi., 307.

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Contents :—

The relations existing between the teaching of pure chemistry and applied chemistry ; by Otto N. Witt.

Heuristic instruction in physical science ; by H. E. Armstrong.

The teaching of chemistry in evening continuation schools ; by J. H. Gladstone.

Remarks on the teaching of chemistry ; by George Lunge.

The intervention of the state in secondary technical education ; by Gilbert R. Redgrave.

Theory and practice in trade teaching ; by Sir Philip Magnus.

The training of technical teachers ; by Sidney H. Wells.

The work of the City and Guilds Central Technical College ; by W. E. Ayrton.

Technische Erziehung in Württemberg ; by J. v. Diefenbach.

Some limitations to technical instruction ; by Sir Joshua Fitch.

L'enseignement professionnel et l'initiative privée en Belgique ; by Oscar Pyfferoen.

L'enseignement technique et commercial en Belgique ; by Edouard Sève.

Rapport sur l'enseignement technique en Belgique ; by Paul Wauters.

The influence of various examining bodies on the progress of technical and commercial education in England ; by Prof. J. Wertheimer.

A German technical college from an English point of view ; by Edwin O. Sachs.

The Society of Arts' examinations ; by Sir Henry Trueman Wood.

The teaching of drawing in connection with technical and commercial education ; by T. R. Ablett.

Agricultural education ; by F. J. Lloyd.

County councils and practical training in agriculture ; by Harold E. Moore.

How best to encourage technical education among the workmen ; by R. W. Baxter.

Technical education in relation to the electrotyping, stereotyping, and process engraving industries ; by Walter Bontall.

Technical education in connection with the gold and silver trades ; by W. Augustus Steward.

Watch and clock making ; by T. D. Wright.

Technical education in relation to glass manufacture ; by Harry J. Powell.

Technical education in architecture and the building trades ; by W. R. Lethaby.

Polytechnics ; by Quintin Hogg.

The work of the polytechnics ; by Professor William Garnett.

Reforms in the organisation of technical education ; by Professor Silvanus P. Thompson.

Evening schools ; by Swire Smith.

The development of technical instruction in secondary schools under the provisions of the Technical Instruction Acts, 1889 and 1891, and the Local Taxation Act, 1890 ; by H. Macan.

Some suggestions for the better organisation of examinations—more especially in reference to the qualification of teachers of technical subjects ; by W. Vibart Dixon.

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Rapport sur l'enseignement commercial supérieur en France ; by Jacques Siegfried.

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Education, Technical Education Congress—*continued.*

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The present state, claims, and prospects of commercial education ; by Edward E. Whitfield.

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History of training schools for teachers of domestic economy in England ; by Miss Pyerott.

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Edwards (Samuel) Extracts taken from Harod's History of Stamford, relating to the navigation of the river Welland from Stamford to the sea ; together with a full state of the case relating to the rights of different parties in such navigation ; also shewing the several Acts of Parliament that have passed since the said Act of the 13th of Elizabeth to affect or alter the powers originally vested in the corporation of Stamford, and showing in whom those powers are now vested. London, 1810. 4to, pp. 16. *Pamphlet.*

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Ellis (Sir Henry) A general introduction to Domesday Book; accompanied by indexes of the tenants-in-chief and under-tenants at the time of the survey; as well as of the holders of lands mentioned in Domesday anterior to the formation of that record; with an abstract of the population of England at the close of the reign of William the Conqueror, so far as the same is actually entered, illustrated by numerous notes and comments. London, 1833. 8vo, 2 vol. in one, pp. xix., 515; 543.

Ellis (Thomas) Is it an engineering and commercial impossibility to utilise, in the liquid state, the sewage of the metropolis, as has been stated by Mr. Thomas Wicksteed in his report to the Metropolitan Commissioners of Sewers? This question is answered in a letter to the chairman of the Metropolitan Board of Works; in which is also given a plan for utilising, in its liquid state, the sewage of the metropolis; together with a detailed estimate of cost and suggestions for division of profits between the Metropolitan Board of Works and a projected company, by which there would be placed at the disposal of the Board of Works for the reduction of local taxation over the metropolis an area an annual sum of not less than £700,000. London, 1861. 8vo, pp. 62.

——— The utilisation of the metropolitan sewage and reduction of local taxation, together with a brief review of the evidence taken by the select committee of the House of Commons on Sewage of Towns and their final report.—A letter to Frederick Doulton, Esq., M.P., chairman of the Main Drainage Committee of the Metropolitan Board of Works. London, n.d. 8vo, pp. iv., 134.

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- II. *Taxation as it is*: Colonial taxation—Taxation in 1796—The transition period—Experience of Ohio—Experience of Georgia—Experience of Wisconsin and West Virginia—Experience of New York—Experience of other states—Other features of existing financial systems—The testimony of reason.
- III. *Taxation as it should be*: The principles on which a new system of taxation should be based—Taxation of real estate—Exemption of real estate from state taxation—A plan whereby a part of the increasing value of real estate in states and cities may be secured to the public—Natural monopolies—Taxation of the manufacture and sale of intoxicating liquors—Taxation of incomes—Taxation of inheritances and bequests—Business tax—Taxation of railroads operated by steam and other corporations—Miscellaneous kinds of personal property—Taxation of savings banks, churches, and educational and benevolent institutions—Technical details and administrative machinery.
- IV. *Constitutional provisions, statistical information, &c.*: Constitutional provisions—Revenues and expenditures of the states—Revenues and expenditures of cities—Rates of taxation—Valuations of real and personal property—Public debts of states and cities—Inheritance and bequests.

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Maps: Bartholomew's London (one inch to mile)—Bartholomew's Central London (four inches to mile)—Norden's Tudor London, 1593—Senex's London in 1720 (two inches to mile).

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Part i. 31st October, 1713, to 11th June, 1748; pp. 194.

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Contents of appendix: Book of reference to the plan of the waste lands of Epping Forest, within the meaning of the Epping Forest Act, 1871, as ascertained by the Epping Forest Commissioners—Perambulation of the Forest of Waltham, in the county of Essex, in the seventeenth year of the reign of King Charles the First.

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Essex (W. R. H.) and Sydney Smirke, Illustrations of the architectural ornaments and embellishments and painted glass of the Temple Church, London, from drawings specially made, by permission, by W. R. H. Essex, with an account of the recent restoration of the church, by Sydney Smirke. London, 1845. Folio, pp. 15. 29 plates.

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Part I. History of Lord Mayors' pageants. 1843. pp. xl., 178.

This part contains an appendix, giving a detailed account of the expenses of the pageants of 1617, 1655 and 1685, and the order of the procession, 1841.

Part II. Reprints of Lord Mayors' pageants. 1844. pp. viii., 288.

This part is edited, with introduction and notes, by F. W. Fairholt, and consists of the following parts:—

Introduction; by the Editor.

Troia-Nova triumphans; by Thomas Dekker.

London's Tempe; by Thomas Dekker.

Porta Pietatis; by Thomas Heywood.

The Royal Oake; by John Tatham.

London's Resurrection; by Tho. Jordan.

The Triumphs of London; by Tho. Jordan.

Notes to the Pageants; by the Editor.

Appendix, consisting of representations in parts to be habited, sung and acted before the Lord Mayor and the Sheriffs of London; by Tho. Jordan.

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—— The civic garland: a collection of songs from London pageants. London, 1845. 8vo, pp. xl., 96.

Fairmount Park Commissioners, First annual report. Philadelphia, 1869. 8vo, pp. 56.

—— Second annual report. 1870. pp. 64. 3 plans.

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Appendix: Explanation and reference to Hamilton's map of Chelsea, made in the year 1664, and continued to the year 1717 by John King.

Plates, *inter alia*: North front of the Manor House at Chelsea built by King Henry VIII.—Map of Chelsea, surveyed in the year 1664 by James Hamilton—Tombs of Sir Thomas More, Thomas Lawrence and the Duchess of Northumberland and her daughters, in Chelsea Church—King James Colledge at Chelsea—Royal Hospital at Chelsea—Royal Military Asylum—South front of house supposed to have been inhabited by Sir T. More—South view of the Pavilion, Hans-place.

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Plates: Bishop of London's Palace, Fulham—Map of Fulham, 1813—South view of Fulham church—Monuments of Lady Legh, Catherine Hart, and Lord Mordaunt in Fulham Church—North view of Hammersmith Church—Interior quadrangle of the Bishop of London's Palace—Normand House.

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The accounts and other particulars for the last year (1880) of the metropolitan and suburban gas companies, viz., Gas Light, Commercial, London, South Metropolitan : Barnet, Brentford, Bromley, Colney Hatch, Croydon, Crystal Palace, Lea Bridge, Mitcham, Richmond, Tottenham, Wandsworth, West Ham, Woolwich (Consumers), Woolwich (Equitable), are analysed under the following heads : Date of incorporation—Capital authorised—Capital raised—Capital unraised—Capital employed—Coals carbonized—Per cent. of cannel gas sold—Illuminating power required by Act—Price per 1,000 charged—Gas made—Gas sold—Used at works and offices—Unaccounted for—Coke made—Coke used for fuel—Average price per chaldron obtained for coke sold less charges—Net proceeds of coke and other residuals per cent on cost of coal—Cost of coal—Less residuals—Net cost of coal—Manufactory charges—Distribution—Rent and taxes—Management—Law charges—Bad debts—Public officers and testing offices—Depreciation of works on leasehold—Other charges—Total working expenses—Coals and working expenses—Gas rental—Less lighting and repairing public lamps—Net gas rental—Expenditure for gas—Profit on gas—Add meter rent—Deduct meter repairs—Add miscellaneous receipts

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Brigade would receive as pension after various terms of service according to each of three schemes—Length of service of men leaving the Brigade in each of the years 1866-75—Amount contributed by first and last man in each class of the Fire Brigade, and annuities they would be entitled to under the Board's scheme, if it had been accepted—Memorandum by Superintending Architect of the Metropolitan Board of Works as to means of providing fire plugs in the metropolis, with suggestions by Captain Shaw, and correspondence with water companies—Contributions from insurance offices upon the rateable value of the metropolis—Receipts and expenditure in each of the years 1866-75—Estimate of working expenses for 1876—Loans raised and amount expended in each of the years 1866-75—First cost of stations, 1866-75—Stations in use on 31st December, 1875, showing rental, etc., cost of erection, and amount expended in alterations and repairs—Pay and superannuation allowances of the Manchester Fire Brigade—Number of steam and hand engines, and men proposed at the several stations—Number of police stations in the Metropolitan Police District, showing number in each division within and beyond the boundary of the Board—Details of fires in Liverpool in 1875, with accounts of the Brigade.

The map is of London, setting out the different stations of the Fire Brigade, fire escapes, police stations, and the boundaries of the several water companies.

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Maps: Electricity supply areas within the County of London, viz., Charing-cross and Strand Corporation, Chelsea Company, City of London Company, County of London and Brush Provincial Company (St. Luke's and Clerkenwell; and Wandsworth), Crystal Palace Company, Hammersmith Vestry, Hampstead Vestry, House-to-house Company, Islington Vestry, Kensington and Knightsbridge Company, London Electric Company, Metropolitan Company, Notting-hill Company, St. James and Pall Mall Company, St. Pancras Vestry, Westminster Corporation, Woolwich District Company—Electric railways of London—Diagram showing comparative results of working of electricity supply undertakings.

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sequent year down to present time; (4) amount set aside as reserve; (5) amount paid for damages; (6) price per 1,000 ft. of gas for last 20 years, distinguishing between common and cannel; (7) price charged per street lamp per annum; (8) accounts for 1866 under Act of 1860—Alphabetical table of towns showing minimum illuminating power prescribed by parliament from 1856 to 1866, with date of Act and maximum price—Analysis of foregoing return according as the charges for gas are higher or lower than those of the London companies, showing price paid for coal and present price of gas—Capitals of certain provincial gas companies per ton of coal, per £100 gas rental and per million feet of gas sold—Comparison between capital and other particulars of the Western Company in 1856 and 1866—Table showing results of each company's operations in 1866, and average of those making coal gas only and those making both kinds—Mr. Hughes' plan, Dr. Frankland's three plans and Mr. Stevenson's plan, for supplying London with eighteen-candle gas at 3s. 6d. per 1,000 cubic feet—Mr. Clemenshaw's estimate of the cost of making eighteen-candle gas in London—Cost of gas at the consumer's meter, of various illuminating powers, on the basis of 9,600 cubic feet of twelve-candle gas being generated from one ton of Newcastle coal, and 9,600 cubic feet of twenty-four-candle gas being generated from one ton of Wigan cannel—Synopsis of the operations of the Nottingham Gas Company, 1866—Comparative statement of the net cost of a ton of coals to the thirteen metropolitan gas companies, 1866.

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Gas Companies (Metropolis)—*continued.*

statement of stock and share capital; statement of loan capital; capital account; revenue; net revenue; balance applicable to dividend; reserve fund; insurance fund; depreciation fund; coals used; residual products; gas made and sold; general balance sheet. The South Metropolitan omits the head "balance applicable to dividend"; the Commercial omits the heads "balance applicable to dividend" and "depreciation fund." The earlier returns (1861-69) give the accounts of thirteen companies, viz., the Chartered, City of London, Commercial, Equitable, Great Central, Imperial, Independent, London, Phoenix, Ratcliff, South Metropolitan, Surrey Consumers and Western. Between 1869 and 1884 the thirteen companies became amalgamated in the three given above. The earlier returns do not give figures for separate half-years.

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—Warming and ventilation of houses—Ventilation of public buildings—Horse cleaning by drainage and removal of refuse—Privies and cess-pools—Paving—Street cleaning—Sewerage—Interments—Nuisances—Water supply—Sickness and disease and mortality—Tables illustrating sickness and mortality.

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usage, by prescription, charters, Acts of Parliament, decrees, . . . letters-patents, &c.; to which is added a brief description of those fish, with their seasons, spawning times, &c., that are caught in the Thames or sold in London; . . . and, also, of the water-carriage on the river Thames to the several parts of the kingdom, with a list of the keys, wharfs and docks adjoining to the same. London, 1746. 8vo, pp. xix., 296.

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Appendix : Tides at harbour and docks—Memorandum on Aberdeen Harbour—Proportions of materials for concrete—Dimensions of locks and entrances at various ports—Total tonnage of vessels entering and clearing various British ports in 1873 and 1883—Values of imports and exports at various British ports for 1873 and 1883—Number and average tonnage of vessels entering and clearing various British ports in 1863, 1873, and 1883.

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The plates illustrate the harbours, docks, etc., mentioned in the text.

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Contents: Introduction—Additional notes—The hundred of Blackheath—Deptford—Greenwich—Charlton—Kidbrook—Woolwich—Eltham—Lee—Lewisham—Addenda—Corrigenda—Index of places—Index of persons—Index of arms—Index of subjects.

The eight parishes are treated under the same general heads and similarly in cases peculiar to each. The heads under which Deptford is treated are: The Manor—Sayes Court—Brockley—Premises of lesser note—The Bridge—Railway—Royal Naval School—Dockyard and Navy offices—List of ships built at Deptford—Victualling office—Bounds of the County of Kent and Deptford—Manor of Hatcham—Antiquities—Botany—Heraldry—Trinity House and Hospital—Charities—Ecclesiastical jurisdiction—Vicars of St. Nicholas—Rectors of St. Paul—Monuments in St. Nicholas Church—Monumental inscriptions in St. Paul's Church—Present state of Deptford—Population—Vestry minutes and Churchwardens' accounts—Feet of fines—Miscellanea—Wills—Selections from parish registers—Close rolls—Sir Francis Drake's ship.

Among the plates may be mentioned: Map of the hundred of Blackheath, 1778—Map of the hundred of Blackheath based on the Ordnance Survey of 1885—Two rough plans of Deptford Royal Dockyard sketched from finished plans in the King's MSS., British Museum, by the Editor, one in 1688 and 1698 (showing alterations made up to the latter year by shading), the other in 1774—Sketches of Schoolhouse on Deptford Green and Admiral Hughes House, Deptford—Deptford in 1623, from a sketch by John Evelyn—Survey of the King's Lordship or Manor of East Greenwich within the bounds and perambulation of the parish, 1695—Bird's-eye view, by Wyngaerde, of the Thames from Duke Humphry's Tower, the site of the Royal Observatory, Greenwich, 1558—Sketch by Wyngaerde in 1558 of the Royal Palace of

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"Plesance," the site now occupied by the Royal Hospital, Greenwich—Royal Hospital, Greenwich, showing the road originally reserved between the Queen's House and the Thames—General plan of Greenwich Hospital with its buildings and grounds—Crowley House, from a drawing made in 1859 by C. Stanfield—Staircase and drawing-room in Crowley House—View of Morden College by Richard Blome, 1700 (*circa*)—Geometrical plan and north elevation of Woolwich Dockyard, with part of the town, by Thomas Milton, 1753—Sketch of the prison-ship at Deptford, 1826—Sketches of Old Woolwich from the King's MSS., British Museum—Plan of Eltham Palace, 1590, the courtyard traced from the original in the Record Office, and the existing remains sketched by G. R. Corner—Sketches of Eltham Church in 1798; north chapel added to Eltham Church in 1667; Eltham Palace (undated); Severndroog Castle, Shooter's-hill (undated); tomb of John of Eltham in Westminster Abbey—Views and plans of Lee-place, the residence of Christopher Boone, pulled down in 1825; and Boone's Almshouses, pulled down in 1877—View of The Firs, Lee, property of J. W. Larking—View of The Cedars, Lee, property of John Penn—Views of the old and new churches at Lee—Brasses in Lee Church—Facsimile of original charter of St. Peter's—Sketches of Mottingham and Place houses, and the old and new churches, Lewisham.

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The report (pp. 325) is divided into five heads: (1) As to sources, quantities and qualities of water at present supplied or proposed to be supplied, and as to the best available sources of supply; (2) as to the mode of distri-

Health, General Board of, Report on water supply to metropolis —continued.

bution now adopted, and as to the influence of the mode of distribution upon the quantity of water required for the metropolis; (3) as to the mode of removing water after it has been used and discharged, especially as regards the damp and low-lying districts of the metropolis; (4) as to the advantages of a system of constant supply for surface cleansing, diminution of risk from fire, and new applications of water as a source of power; (5) as to the advantages in economy and efficiency of combined works for water supply and drainage over the present system of independent works for these purposes, and as to the best administrative machinery for carrying out such a system of combined works.

Tables in body of report, *inter alia*: Tables showing, for each of the metropolitan water companies for the year 1849, district supplied, points from which supply is taken, population of towns and villages draining into the rivers above the sources of supply, and position of reservoirs; number of houses and large consumers supplied, and average daily supply and supply per house for private houses, large consumers, road watering, flushing, fires, and all purposes; and proportions which supply to private houses bears to total supply and proportions due to all other sources (pp. 4-8)—Number of houses in metropolis in classes according to rental; amount of assessment and proportion that each class bears to total; and amount proposed to be levied by a penny rate (p. 9)—Effects of different waters on tea making (p. 67)—Average daily supply per house by each company in 1833 and 1849 (p. 118)—Deaths from cholera in each parish of the metropolis in 1832 and 1849, and from fever in 1838; also, average elevation of each parish above Trinity high-water mark (pp. 131-132)—Tabulated replies to queries as to state of the works of water supply and drainage addressed to inhabitants of St. George-the-Martyr, Southwark, and St. Anne and St. James, Westminster (p. 135)—Tabulated replies to queries addressed to the several water companies respecting supplies of water at high pressure (p. 154).

Appendix I. (pp. 80) consists of "Returns to the queries addressed to the several metropolitan water companies." Among the numerous statistical tables constituting many of the answers, the following are important: Return showing, for the New River Company for each of the years 1834-48, receipts from water rents for dwelling-houses, watering streets and roads, rents for lands and houses, gross income, and dividends (p. 8)—East London Company's scales of charges for various purposes (pp. 17-19)—Various analyses of Thames water, 1828 (p. 31)—Return showing, for the Grand Junction Company for each of the years 1819-49, dividend per cent. paid on cost of works (p. 61).

Appendix II. (pp. 204), entitled "Engineering reports and evidence," consists of statements of the various schemes proposed, and laid before the General Board of Health, for the improvement of the supply of water to the metropolis, with plans.

Appendix III. (pp. 252) consists of "Reports and evidence, medical, chemical, geological, and miscellaneous."

Appendix IV. (pp. 31) consists of a report by Thomas W. Rammell on "The cesspool system in Paris."

Plates, *inter alia*: Plan showing positions of the works of the districts supplied by the several metropolitan water companies—Plan showing principal proposals for improved supplies—Four plans of works of the Gorbals Gravitation Water Company—Plans of works of Kilmarnock and Stranraer Water Companies—Diagram showing the fall of water in the sand spring underlying the blue and plastic clays under London, 1837-49—Diagrams illustrative of flux and reflux of the tidal waters of the Thames on a float discharged at high and low water.

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[This does not touch the metropolis.]

Health, General Board of, Report on the epidemic cholera of 1848 and 1849; with appendices. London, 1851-52. 8vo, pp. viii., 159; iv., 164; 203; 93. Maps and plans.

Appendix A. (pp. iv., 164) consists of a report by Dr. Sutherland, arranged in the following sections: Localising causes of cholera—Management of cholera through its localising causes—Management of cholera through its premonitory stage—Special reports on towns—Comparative results of the treatment of cholera cases at home and in hospital—On the carrying out of the regulations in regard to the timely interment of corpses of persons dying of cholera—On the execution of the regulations of the General Board of Health by the local authorities—Extract from report on the outbreak of cholera on board the American ship "American Eagle"—Conclusions.

Appendix B. (pp. 203) consists of a report by Mr. Grainger, arranged in the following sections: Relation between cholera and other epidemic diseases—Progress of cholera in London—Habitat or seat of cholera—Exemptions from the epidemic and results of sanitary improvements—Predisposing causes of cholera—Primary seat of cholera and existence of a premonitory stage; notice on diet and on the treatment of premonitory diarrhoea—Neglect of premonitory diarrhoea by the poor—Measures adopted by the boards of guardians during the late epidemic—Measures adopted by the General Board of Health, and the system of house visitation. An appendix to this report contains, *inter alia*: Analysis of deaths from cholera in the metropolis during the sixty weeks ending 24th November, 1849—Dr. Guy's abstract of the professions and occupations of 4,312 males, of the age of 15 years and upwards, who died of cholera in London during the epidemic of 1848-49, with a rough approximation to the ratio which the deaths bear to the living—Dr. Waller Lewis' report on investigation into alleged cases of contagion from washing cholera clothes—Directions and regulations issued by the General Board of Health to Poor Law guardians and others—Instructions as to the duties of the medical superintendents and visitors of the metropolitan districts, in carrying out the preventive measures of the General Board of Health—Return of choleraic disease in the parish of Bethnal-green, in the practice of the parochial medical officers, and discovered by the visitors during the visitation—Progress of cholera in St. Luke, Islington, Clerkenwell and Whitechapel.

Appendix C. (pp. 93) consists of an abstract of a report by James Wynne on epidemic cholera, as it prevailed in the United States in 1849 and 1850.

Plates, *inter alia*: Map exhibiting progress of the cholera from Hindustan to Great Britain—Diagram showing comparison between mortality in metropolis from all causes during 1832-33 and 1848-49 and the mortality from cholera for the same periods, together with the weekly mean of the barometer, thermometer, dew point, and rainfall for 1849—Plans of Shore-ditch and Bethnal-green showing deaths from cholera—Cholera map of the metropolis showing mortality in each registration district.

——— Rapport sur la quarantaine. Londres, 1851. 8vo, pp. 146.

[This is a French translation of the first report on quarantine.]

——— Second report on quarantine (yellow fever); with appendices. London, 1852. 8vo, pp. iv., 414. 2 plates.

[The plates are a plan and a view of Gibraltar.]

——— Minutes of information collected on the practical application of sewer water and town manures to agricultural production; with appendices. London, 1852. 8vo, pp. iv., 167.

——— Minutes of information collected in respect to the drainage of the land forming the sites of towns, to road drainage, and the facilitation of the drainage of suburban lands; with appendix. London, 1852. 8vo, pp. iv., 125.

Health, General Board of, Minutes of information collected with reference to works for the removal of soil water or drainage of dwelling-houses and public edifices, and for the sewerage and cleansing of the sites of towns; with appendix. London, 1852. 8vo, pp. 207.

Contents, *inter alia*: Superior economy of the removal of refuse by water—Removal of all cesspools from amidst habitations the first duty of local boards—Materials and construction of old house drains—Sizes of mains and sewers—Gain of fall on the same levels by small tubular drains—Trial of tubular house drains—Increased power of the sweep of water gained by alterations in the forms of sewers—Trial of tubular sewers—Expedients in default or in substitution of improved works for the removal of cesspools—Adjustments of sizes of tubular house drains and main drains required for the discharge of storm waters—Special arrangements requisite for the drainage of low-lying districts and economy of the constant removal of sewerage from them by steam power—Impermeable and permeable lines of drainage not always coincident—Junctions of drains and sewers—Cesspits for the detention of road detritus—Accuracy in the form of pipes—Joints for tubular drain pipes—Materials for the construction of sewers—Expedients to prevent the ingress of foul gases into habitations—Principles of the construction of the water-closet—Means of removing waste water from kitchens, outhouses and yards—Provisions for the supply of pure water into and the removal of foul or waste water from upper rooms and flats or separate tenements in houses—Provision for the frequent removal of solid refuse from dwellings—Public conveniences—Surface cleansing of streets and edifices—General view of combined works of house and town drainage—Principle of back drainage—Conclusions. There is a map showing the area and levels of the Holborn and Finsbury District of Sewers.

——— Report on murrain in horned cattle, the public sale of diseased animals, and the effects of the consumption of their flesh on human health, with appendix; by E. Headlam Greenhow. London, 1857. 8vo, pp. 78.

Contents of appendix, *inter alia*: Return showing the number of horned cattle exposed for sale in the Metropolitan Cattle Market in each week of the years 1855 and 1856—Amount of articles seized by inspectors of slaughter-houses in the City of London in each of the years 1855-56, as returned to the Commissioners of Sewers—Instructions in respect to the delivery of cattle—Return showing number of animals imported from foreign ports which have been destroyed in consequence of being unfit for human food, through disease, with the nature of the complaint with which affected.

Health of Towns, Report from select committee appointed to inquire into the circumstances affecting the health of the inhabitants of large towns and populous districts, with a view to improved sanitary regulations for their benefit; with minutes of evidence, appendix, and index. London, 1840. Folio, pp. xxiv., 262.

Contents of appendix, *inter alia*: Abstract of a report by T. Southwood Smith on the prevalence of fever in twenty metropolitan unions during the year ended 25th March, 1838.

——— First report of the Commissioners appointed to inquire into the present state of large towns and populous districts in England and Wales, with reference to the causes of disease among the inhabitants; with minutes of evidence, appendix and index. London, 1844. Folio, pp. xvi., 470; 212. Maps and plans.

Tables in body of evidence, *inter alia*: Ages of persons dying of fever in the London Fever Hospital in each of the years 1825-28 (p. 70)—Number and abstract of causes of fires in London for the ten years 1833-42 (p. 105)

Health of Towns, First report of Commissioners—*continued.*

—Workmen employed in cleansing the public sewers for Westminster, etc., 10th December, 1831 (pp. 166-168)—Statement of alterations of the surface of the City of London in various parts (p. 206)—Amount expended by the City of London in the construction of new sewers in each of the years 1833-42 (p. 216)—Applications of the Westminster Commissioners of Sewers to Parliament for increased powers, 1770-1842 (p. 248)—Statement of deaths occurring within five years in streets and places in the district of Gray's-in-lane, St. Pancras, divided into four classes, each containing nearly the same number of persons; number of deaths in each class and ages at time of death (p. 254)—Expenses incurred in supplying Nottingham with water (p. 304)—Average ages of death among the chief classes in St. George, Hanover-square, 1839 (pp. 341-342)—Ages at death of the different classes in Whitechapel, 1839 (p. 355)—Carriage and horse traffic and number of foot passengers through Ludgate and Holborn Hills in March, 1813 (pp. 390-391)—Analysis of mortality statistics according to classes in various parts of London in 1841 (p. 411).

Contents of appendix, *inter alia*: Deaths in 1841 in large towns in England and Wales—Abstract of replies from 50 towns to questions as to sewerage, drainage, cleansing and water supply—Special reports on the physical causes of high death rate in Liverpool; on the sanatory condition of Preston, Chorlton-upon-Medlock, Ashton-under-Lyne, York, Nottingham; on the different rates of mortality and of births among the same classes of society living in the suburban and rural townships and town districts of Sheffield; on the different rates of mortality prevalent among different classes of society, and among classes of persons engaged in different manufactures in Sheffield and Huddersfield; on the comparative mortality in the drained and undrained districts of Leicester; on the standard of vitality actually attained in middle-class life—Philadelphia and New York water supply—Constant supply of water under high pressure at Preston—Supply of water to the houses of the poor—Filtration of water, with the description of M. Maurras' system—Expense of filtering and raising water—Obstacles to improvement of water supply in Manchester and Salford, Huddersfield and Hull—Application of clay pipes for house drains and sewers in Ayr—Replies in full from Liverpool—Liverpool Corporation baths and washhouse—House cleansing in Edinburgh—Cleansing and construction of roads and streets in Manchester and Salford—Cleansing of Milan and application of refuse to agriculture by irrigation—Estimate of expense of surveys.

Plates, *inter alia*: Plan of filters for the use of the town of Paisley—Proposed mode of arranging privies to houses not having an adequate constant supply of water—Diagram to illustrate Captain Vetch's evidence on the utility of contour lines on plans—Rough drafts of the City of London (and a part on a larger scale), with contours of equal altitude—Plan for the rebuilding of the City of London after the fire of 1666—Plan of the borough of Nottingham, showing the commons and commonable lands, by which the enlargement and improvement of the town are prevented.

Second report of the Commissioners; with minutes of evidence, supplement to report, and appendix. London, 1845. Folio, pp. v., 120; 159; iv., 380. Maps, plans, and diagrams.

The report deals first with the causes of disease, and then sums up the remedial measures recommended under the following heads: Drainage—Survey—Area for drainage—Officers—Compulsory power required—Power of local authorities—Obstructions to drainage—Evils arising from limited and conflicting jurisdictions—Rating—Charges for branch drains—Raising money—Paving—Cleansing—Nuisances—Smoke—Manufactories—Water—Water companies—Rates—Public baths—Prevention of fire—Buildings—Width of courts and alleys—Cellars—Necessaries—Ventilation—Cleansing of houses—Lodging houses—Medical officers—Public walks—Interments in towns. An account is given of the distinction in the laws for drainage, etc., in the metropolis.

Health of Towns, Second report of Commissioners—*continued*.

The supplement to the report contains, *inter alia*: List of towns visited by Commissioners—Table illustrative of statement of increase of births being consequent upon excessive mortality—Comparative population in 1831 and 1841 of large towns and counties, with rate of increase or decrease per cent.—List of towns having local Improvement Acts passed since 1800—List of boroughs having bye-laws for the prevention of nuisances—Returns of paving, lighting, and cleansing boards made by the vestry clerks of the several parishes in Westminster, Middlesex, and Surrey, situated within the limits of the metropolis adopted in the population returns of 1831—Return showing, for each of the towns visited, number of houses supplied with water by pipes, and system of supply—Various items of accounts of the Metropolitan Commissioners of Sewers.

The appendix consists of replies to the questions circulated in populous towns and districts, and reports of the Commissioners on the sanitary condition of certain large towns. Woolwich is given in Part II., pp. 231-240.

Plates, *inter alia*: Map of the metropolis showing the districts of sewers and map showing the districts supplied by the different water companies.

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Heath (John Benjamin) Some account of the Worshipful Company of Grocers of the City of London. Second edition. London, 1854. Svo, pp. xvi., 580.

Contents, *inter alia*: The hall—The company—Illustrious and eminent members—Members of company who have been Lord Mayors of London—List of members in 1373—Specimens of wardens' accounts in the reign of Henry IV., anno 1401—Original charter of Henry VII.—Rate of charges at the public weigh-house or beam, issued by the company in 1453—Pageants of the company—Some account of the company's estate in Ireland.

Heckethorn (Charles William) Lincoln's-inn-fields and the localities adjacent: their historical and topographical associations. London, 1896. 4to, pp. xviii., 241.

Contents:—

Part I. *Eastern block, or Lincoln's-inn*: Lincoln's-inn the centre of legal London—Eminent students, members and residents—Lincoln's-inn chapel—Celebrated preachers—Crypt—Lincoln's-inn-gardens—Lincoln's-inn old hall and buildings contiguous—Gatehouse—New hall and library—Lincoln's-inn New-square—Stone buildings—Finances of the inn—Revels—Long vacation—Gothic ornaments—Serle-street—Fickett's-fields.

Part II. *Central block, or Lincoln's-inn-fields*: Perambulation of the southern and western sides of the square—College of Surgeons—Portsmouth-street—Proposed improvements in approaches to the square—Opening of the gardens of Lincoln's-inn-fields.

Part III. *Southern block, or Clare-market and purlieus*: Clare-market—Colonnade—Clement's-inn—St. Clement's-lane—Vere-street—Portsmouth-street—Portugal-street—King's College hospital—Duke's theatre.

Part IV. *Western block, or between Duke-street and Great Queen-street*: Duke-street—Sardinian chapel—Great Queen-street—Freemason's hall and tavern—Wesleyan chapel—Devil's Gap—Wild-street.

Part V. *Northern block, or between the Turnstiles*: North side of Lincoln's-inn-square—Great Turnstile—Little Turnstile—New Turnstile—Little Queen-street—Whetstone-park—Publishers, printers, and booksellers around Lincoln's-inn-fields.

Hedges (Killingworth) American electric street railways: their construction and equipment. London, 1894. 4to, pp. ix., 205.

Hedley (Thomas Fenwick) Local taxation; the imperfect state of the parochial assessments in England and Wales, and suggestions for amendments; the rating of railways in England and Wales compared with the railways in Ireland, and the effects of the parochial principle of rating; observations on Mr. Goschen's Bill. London, 1873. 8vo, pp. 136.

Hellyer (S. Stevens) The plumber and sanitary houses: a practical treatise on the principles of internal plumbing work, or the best means for effectually excluding noxious gases from our houses. Fourth edition. London, 1887. 8vo, pp. xvi., 427.

Hempel (Dr. Walther) Methods of gas analysis. Translated from the second German edition by L. M. Dennis. London, 1892. 8vo, pp. xv., 384.

Herbert (Nicholas) and A. F. Jenkin, The councillors' handbook: a practical guide to the election and business of a county council. London, 1888. 8vo., pp. viii, 409.

Contents: Establishment of county councils; effect of Local Government Act on existing authorities—Proceedings of first county council—County finance—Boundaries—Business of a fully-constituted county council—Qualification and registration of electors—Election of county and town councils—Summary of the government of a borough and of the provisions of the Local Government Act with respect to the metropolis—County Electors Act, 1888—Local Government (England and Wales) Act, 1888—Municipal Corporations Act, 1882—Compensation to civil servants on abolition of office—Forms of claims and notices—Form of rate-book—Constitutions of county councils.

Herbert (Thomas Arnold) The law relating to the payment of coroners. London, 1891. 8vo, pp. 78.

Herbert (William) Antiquities of the Inns of Court and Chancery; containing historical and descriptive sketches relative to their original foundation, customs, ceremonies, buildings, government, etc., with a concise history of the English law. London, 1804. 8vo, pp. xii., 377. Index, pp. vii. 24 plates.

Contents: Of the common law of England—Of the justice of England—Of the four great courts—Of the creation, dress, salaries, etc., of the Justices of the King's Courts in Westminster Hall—Of trial in cases civil and criminal, viz., by jury, combat, fire and water ordeal, and wager of law—Miscellaneous—Origin and customs of the several courts—Inner Temple—Middle Temple—Inns of Chancery belonging to the Temples—Lincoln's Inn—Inns of Chancery belonging to Lincoln's Inn—Gray's Inn—Inns of Chancery belonging to Gray's Inn—Serjeants' Inn—Of the antiquity and dignity of Serjeant-at-Law.

— The history of the twelve great livery companies of London, principally compiled from their grants and records; with an historical essay and accounts of each company, its origin, constitution, government, dress, customs, halls, and trust estates and charities; including notices and illustrations of metropolitan trade and commerce as originally concentrated in those societies, and of the language, manners, and expenses of ancient times; with attested copies and translations of the companies' charters. London, 1836-37. 8vo, 2 vol.

Vol. I., pp. xii., 498.

Contents: Historical essay—Separate histories of the three companies: mercers, grocers, and drapers.

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—— History of the worshipful company of skimmers of London principally compiled from their own records. London, 1837. 8vo, pp. 299–382.

There is a table of the charters and grants of the twelve great livery companies of London, viz.: mereers, grocers, drapers, fishmongers, goldsmiths, skimmers, merchant tailors, haberdashers, salters, ironmongers, vintners, clothworkers.

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Herschel (Sir John Frederick William) A manual of scientific inquiry; prepared for the use of officers in Her Majesty's navy, and travellers in general. Fourth edition. London, 1871. 8vo, pp. xvi., 392. 2 maps.

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—— Shall the new street which is to form the grand communication between the eastern and western parts of the metropolis be straight or crooked? London, 1854. 8vo, pp. 16.

[A pamphlet bound up with others in volume *London improvements*, 1734-1854. See Improvements.]

Hewins (W. A. S.) The teaching of economics. See Education (Technical Educational Congress).

Hewitt (Thomas) A treatise on the law relating to Corporation Duty, or the duty on the income of the property of bodies corporate and unincorporate; an examination of the Customs and Inland Revenue Act, 1885, with especial reference to claims for exemption; with appendix of Inland Revenue forms, and report of the leading case as to exemption. London, 1892. 8vo, pp. xii., 155.

Contents: Introductory statement—Text of parts of the Customs and Inland Revenue Act, 1885, with notes—Report and verbatim judgments in the case of *Commissioners of Taxes v. Pemsel*—Inland Revenue forms—Index.

Heywood (Thomas) Porta pietatis; or, the port or harbour of piety, exprest in sundry triumphes, pageants, and showes, at the initiation of the Right Honourable Sir Maurice Abbot, Knight, into the Majoralty of the famous and farre renowned City London. London, 1638.

[This is one of a series of reprints of descriptive pamphlets of Lord Mayor's pageants, collected by F. W. Fairholt (q.v.).]

Highmore (Anthony) *Pietas Londinensis: the history, design, and present state of the various public charities in and near London.* London, 1810. 8vo, pp. xxxi., 984.

Contents: Hospitals—Dispensaries, lying-in and medical charities—Colleges—Almshouses—School charities—Charities for binding poor apprentices—Miscellaneous charities—Registering charities—Conclusion.

Hill (G. W.) and W. H. Frere, *Memorials of Stepney parish; that is to say, the Vestry minutes from 1579 to 1662 now first printed, with an introduction and notes; to which is appended a reprint of Gascoyne's map of the parish, 1703, with an introduction and index.* Guildford, 1890-91. 4to, pp. xviii., 276; 8. 5 plates.

Plates: South-west view of St. Dunstan's Church at Stepney, 1755—Sir William Ryder, Haberdasher, Lord Mayor of the City of London, 1600—Gascoigne's (the title has "Gascoyne") map of the parish of Stepney, 1703 (3 sheets).

Hitchman (John) *The epitome of a scheme for the scientific drainage of the metropolis, and of the cities, towns, and villages of the United Kingdom, upon the principle of the separation of the rainfall from the sewage by separate systems of conduits.* Leamington, 1858. 8vo, pp. 28.

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Hobhouse (Sir Arthur) *The government of London.*

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Hobhouse (Henry) *The working of the Technical Instruction Acts in Somerset.* See *Aciaud* (Arthur H. D.)

——— and **Fanshawe (E. L.)** *The county councillor's guide; being a handbook to the Local Government Act, 1888.* London, 1888. 8vo, pp. xxx., 294.

Hodges (William) *A treatise on the law of railways, railway companies and railway investments; with an appendix containing all the statutes, precedents, etc.* Second edition. London, 1855. 8vo, pp. xxxviii., 768; 295.

——— *The same—fourth edition.* London, 1865. 8vo, pp. xxxvi., 624; ii., 346.

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Holborn District Board, *Reports and accounts, 1858-59 to 1895-96.* London, 1859-96. 8vo, 4 vol. and parts (*continuing*).

Holborn (R. M.) Misuse of the power of local taxation in Islington. London, 1872. 4to, pp. [3], 4, 29, iv.

This consists of four parts. The first (pp. 3) is a letter in manuscript, undated, from Mr. Holborn to the Chairman of the Special Committee on the Collections. The second (pp. 4) is a reprint of a circular letter, dated April, 1872, addressed by Mr. Holborn to the "householders of Ward 7, Canonbury," entitled "Why Islington is taxed 3d. or 4d. in the £ more than it ought to be." The third (pp. 29) consists of reprints from the Vestry minutes from 18th October, 1867, to 28th July, 1871. The fourth (pp. iv.) consists of extracts from the *Islington Gazette* of the time.

Holden (John) Easements and rights of light. Manchester, 1885. 8vo, pp. 48. 2 sketches.

— Ancient lights: a paper read before the Sheffield Society of Architects and Surveyors, at a meeting held on February 12th, 1895. Sheffield, 1895. 8vo, pp. 32.

Holdsworth (E. W. H.) and Archibald Young, Sea fisheries and salmon fisheries. London, 1877. 8vo, pp. [vii.], 300.

Holdsworth (W. A.) The Weights and Measures Acts, 1878 and 1889; with introductions, notes, index, and the orders in Council, regulations and bye-laws issued under the Acts. Second edition. London, 1890. 8vo, pp. 180.

Hole (Rev. Charles) A brief biographical dictionary. Second edition. London, 1866. 16mo, pp. xv., 485.

Hollar (W.) Map of London before the fire in 1666. London, [n.d.].

Round the margin of the map the arms of some of the City Companies are given.

Holmes (Mrs. Basil) The London burial grounds; notes on their history from the earliest times to the present day. London, 1896. 8vo, pp. 339. 63 illustrations.

Contents: Introduction—British and Roman burying-places—Graveyards of priories and convents—Cathedral, Abbey, Temple, and Tower—City churchyards—London churchyards outside the City—Pest-fields and plague-pits—Dissenters' burial grounds—Burial places of foreigners in London—Hospital, almshouse, and workhouse grounds—Private and promiscuous cemeteries—Closing of burial grounds and vaults—Graveyards as public gardens—Cemeteries still in use—Forecast of the future.

Appendix: List of burial grounds in existence—List of burial grounds which have disappeared—Churches and chapels without burial grounds, but with vaults under them—How to lay out a burial ground as a garden—Disused Burial Grounds Act, etc.

Homersham (Samuel Collett) Review of the report by the General Board of Health on the supply of water to the metropolis; contained in a report to the directors of the London (Watford) Spring Water Company. London, 1850. 8vo, pp. iv., 71.

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Hope (W.) The sewage of the metropolis: a comparative analysis of Baron Liebig's three letters. See Napier (W.)

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Hopkinson (J.) Some points in electric lighting. London, 1884.
 8vo.

[One of a series of lectures delivered at the Institute of Civil Engineers during session 1882-83 on *Practical applications of electricity*. *See* Civil Engineers.]

Hornor (Thomas) View of London and the surrounding country, taken with mathematical accuracy from an observatory purposely erected over the cross of St. Paul's Cathedral, to be published in four engravings. Second edition. London, 1823. 8vo, pp. 31. 4 plates.

Plates: View of the observatory erected over the cross of St. Paul's, with a sketch of the Cathedral showing its elevation as compared with the neighbouring churches and buildings (taken from the south end of Blackfriars-bridge)—North side of St. Paul's Churchyard, with the end of Cheap-side—Section of part of St. Paul's, showing the circular staircase with the ascent through the dome, and thence to the observatory, from which the panoramic view was executed—South side of St. Paul's Churchyard, St. Austin's Church, and the end of Watling-street.

Horselydown, Parish of St. John, Acts of Parliament relating to, 1732-1870. London. Folio.

Contents: Charities, 1870—Church, and formation of parish, 1732—Lighting and watching, 1749—Poor rate, 1786—Railway from London to Greenwich, 1833—Rector, 1827—Voting, 1824—Wharves, 1848.

Horwcod (R.) Plan of the cities of London and Westminster, the Borough of Southwark, and parts adjoining, showing every house. London, 1792-99. 32 sheets, 20 by 21½ inches.

Hosking (William) Essay and treatises on the practice and architecture of bridges. London, 1843. 8vo, pp. 248.

Hoskyns (C. Wren) The land laws of England. *See* Probyn (J.W.)
Systems of land tenure.

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Housing of the Working Classes, First report of Her Majesty's Commissioners for inquiring into. London, 1885. Folio, 3 vol. in two.

Vol. I. First report; pp. iv., 82.

Vol. II. Minutes of evidence and appendix as to England and Wales; pp. iv., 728.

Contents of appendix, *inter alia*: Table showing how central London differs, both as regards density of population and average number of persons in each house, from the densely populated parts of the towns which have carried out schemes of improvement—Increase in population of London at each decennial period from 1801 to 1881, and how far that increase is due, in each decade, to excess of births over deaths and to immigration respectively—Population of England, London, and several large towns in England in 1841

Housing of the Working Classes, Report of Commissioners,
Vol. II.—*continued*.

and 1881, and their average death rate per annum in the seven years 1838-44, and during each of the decennial periods 1851-60, 1861-70 and 1871-80—Parishes and districts in the metropolis in which sec. 35 of the Sanitary Act, 1866, and sec. 35 of that Act as amended by the Sanitary Laws Amendment Act, 1874, has been put in force—Memorandum as to operation of the Artizans' Dwellings Act, 1882—Provisions as to height and open space about buildings—List of bills deposited with the Local Government Board seeking powers that would displace persons of the labouring classes in the metropolis, with number of houses and persons in each parish that would be so displaced—Annual report of the Clerkenwell medical officer of health for 1883.

Vol. III. Indexes; pp. 318.

Howard (Luke) The climate of London deduced from meteorological observations made in the metropolis and at various places around it. Second edition, in which the observations are continued to the year 1830. London, 1833. 8vo, 3 vol.

Vol. I., pp. vii., lxxii., 348.

This volume contains an introduction, with the necessary descriptions of instruments and definitions of terms used; a series of dissertations on the several parts of the subject; a summary of the phenomena of the climate; general tables of results, and a copious index.

Vol. II., pp. 407.

This volume contains the observations from 1806 to 1819 [those by the Clock Barometer included from the beginning of 1815], with copious notes, extracts in illustration from other sources, and occasional pieces of dissertation.

Vol. III., pp. 383.

This volume contains the observations from 1819 to 1830 [those on the pressure by the Clock Barometer being added], with copious notes, extracts in illustration from other works, and occasional pieces of dissertation.

Howel (James) Londinopolis; an historical discourse or perlustration of the City of London, the Imperial Chamber, and chief emporium of Great Britain; whereunto is added another of the City of Westminster, with the Courts of Justice, antiquities, and new buildings thereunto belonging. London, 1657. 8vo, pp. [x.], 124, 301-407. Index, pp. [7]. 2 plates.

Contents: Foundation and first rise—Fresh water rivers, aqueducts, conduits, and fountains—Famous great navigable river of Thames—Chief fortress or Tower of London—Public places of sciences and literature—Political government and civil sway—Ecclesiastical government—Companies and corporations of the City, with their originals and arms—Progress made through the twenty-six particular wards, precincts, or aldermanries, whereinto the whole City is divided—Places adjacent and contiguous to the City—Savoy, Dutchy, and City of Westminster, with the antiquities, the tribunals of justice, and liberties thereunto belonging—Westminster Abbey—Westminster Hall, and all the tribunals of justice which have their motion therein; and, first, of the High Court of Parliament—Court of King's Bench, now called the Upper Bench—Court of Chancery or Equity and Conscience—Court of Common Pleas—Court of Exchequer—Court of Admiralty—A parallel by way of corollary betwixt London and other great cities of the world—Index.

There is a folding view of London, without author or date.

Huddersfield, Corporation of the City of. Abstract of accounts, 1887-88 to 1896-97. Huddersfield, 1888-97. 8vo, 10 vol.

Hudson (Alfred A.) The law of building and engineering contracts, and of the duties and liabilities of engineers, architects, surveyors and valuers. London, 1891. 8vo, pp. lxviii., 880.

Hughes (Miss E. P.) The relation between general and technical education. *See* Education (Technical Education Congress).

Hughson (David) London; being an accurate history and description of the British metropolis and its neighbourhood to thirty miles extent, from an actual perambulation. London, 1805-09. 8vo, 6 vol.

Vol. I., pp. 652. Index, pp. xvi. 7 plates.

This volume contains the history of the metropolis up to the close of the year 1800. Among the plates are: Plan of the City and environs of London as fortified by order of Parliament in the years 1642 and 1643—A view of London as it appeared before the Fire in 1666—Wren's plan for rebuilding the City after the Fire—Sir John Evelyn's plan for rebuilding the City after the Fire—Plan of London in the reign of Queen Elizabeth—The City gates as they appeared before they were pulled down.

Vol. II., pp. 560. Index, pp. xvi. 11 plates.

This volume gives an account of the government of the City of London, and commences the topography with a description of the first four perambulations on the east side of the City. Among the plates are: Map of London, dated 1806, extending from the head of the Paddington-canal, west, to the West India Docks, east, with the proposed improvements between the Royal Exchange and Finsbury-square—East India House—Trinity House, Tower-hill—Traitor's Gate, Tower of London—London Bridge in the year 1757—Fish-street-hill—Interior of St. Stephen's, Walbrook—Egyptian Hall, Mansion House—Mansion House.

Vol. III., pp. 640. Index, pp. viii. 12 plates.

This volume describes five perambulations westward of the Royal Exchange. Among the plates are: Bank of England (3 plates)—Old Cheapside with the Cross—Guildhall—St. Paul's Cathedral (2 plates)—Great Hall, Charterhouse—London from Chatham-place, Blackfriars.

Vol. IV., pp. 579. Index, pp. viii. 36 plates.

This volume describes the three final perambulations of London, and gives an account of Westminster and Southwark. Among the plates are: Somerset House—Drury-lane Theatre—Savoy Chapel and Palace—Scotland-yard—Westminster—Westminster Hall—Westminster Abbey—Interior of Westminster Abbey—Carlton House—Ancient view of St. James's, Westminster Abbey, Hall, &c., from the village of Charing, now Charing-cross—Arms of the City companies (11 plates)—Lansdowne House, Berkeley-square—Entrance to London by Oxford-street—British Museum—Entrance to London at Shoreditch Church—Aldgate House, Bethnal-green—London Docks, Wapping—Southwark, towards St. Margaret's Hill—Bernonsey Priory—Entrance to London by the Obelisk in the Surrey-road.

Vol. V., pp. 476. Index, pp. viii. 35 plates.

This volume gives some description of the counties of Surrey, Kent, Berkshire, Buckingham and Hertfordshire. Among the plates are: Map of the country surrounding London to the extent of 30 miles—Deptford from the Greenwich-road—Greenwich Hospital—Woolwich—Seven Droog Castle, Shooter's-hill—Tooting—Battersea.

Vol. VI., pp. 632. Index, pp. viii. 58 plates.

This volume gives some description of the counties of Hertfordshire, Bedfordshire, Essex and Middlesex. Among the plates are: New River Head—Entrance to London at Mile-end—West India Docks, Blackwall—Hackney—Entrance to London from Islington—Paddington—Kensington Palace—Fulham—Chelsea Hospital—Military Asylum, Chelsea—The New Mint—Covent-garden Theatre.

Hughson (David) An epitome of the privileges of London, including Southwark, as granted by royal charters, confirmed by Acts of Parliament, and established by ancient custom; with remarks on the repeated invasions of the rights, franchises, and jurisdiction of the metropolis of Great Britain. London, 1816. 6to, pp. [xviii.], 287.

Contents: Glossary or explanation of obsolete terms occurring in the charters—Charters from that of William the Conqueror, confirming the laws of Edward the Confessor, to that of George II., empowering all the aldermen to be justices of the peace—Account of depriving of the privileges of the City by a *quo warranto*—Articles of slavish impositions, by the Court of Charles II., at the instance of the Duke of York, on the citizens—First Act of Parliament after the Revolution, in 1688, reverses the writ of *quo warranto*—Detail of that Act—Extract from the Police Act, 1814—Certificate for the exemption of toll—General observations on the invasion of the charters—Privileges by statute and custom alphabetically arranged.

——— Walks through London, including Westminster and the borough of Southwark, with the surrounding suburbs; describing everything worthy of observation in the public buildings, places of entertainment, exhibitions, commercial and literary institutions, etc., down to the present period, forming a complete guide to the British metropolis. London, 1817. 8vo, 2 vol.

Vol. I., pp. viii., 162. 44 plates.

Vol. II., pp. 165-368 [8]. 52 plates. [pp. 163, 164 missing.]

There are 18 walks described, and a small sketch map is given of each.

Hugo (Rev. Thomas) A memoir of the Church and Monastery of the Austin Friars in the City of London. Westminster, 1861. 8vo, pp. 24.

——— An illustrated itinerary of the Ward of Bishopsgate in the City of London. London, 1862. 8vo, pp. viii., 26. 20 plates.

[The plates are almost entirely of archaeological interest only.]

Hull, County Borough of. Abstract of accounts, 1893-94 to 1896-97. Hull, 1894-97. 8vo, 4 vol.

Humane Society, Royal, Annual reports for 1869 and 1874. London, 1870 and 1875. 8vo, 2 vol.

Humber (William) A practical treatise on cast and wrought iron bridges and girders, as applied to railway structures and to buildings generally. London, 1857. Folio, pp. xi., 107. 57 plates.

——— A complete treatise on cast and wrought iron bridge construction, including iron foundations. London, 1861. Folio, 2 vol. 80 plates.

——— The same—third edition. London, 1870. Folio, 2 vol.

——— A record of the progress of modern engineering, 1863. London, 1864-65. Folio, 2 vol.

——— The same, 1864. London, 1865-66. Folio, 2 vol.

Hume (Rev. Charles) Plan for removing some of the City churches to places where church accommodation is required within the metropolitan district. London, [n.d.]. 8vo, pp. 7.

[A pamphlet bound up with others in volume *London improvements, 1734-1854. See Improvements.*]

Humphreus (Henry) History of the origin and progress of the Company of Watermen and Lightermen of the river Thames, with numerous historical notes, 1514-1859. 8vo, 3 vol.

Vol. I., pp. 430. Index, pp. 53. 3 plates.

Vol. II., pp. 444. Index, pp. 64. 1 plate.

Vol. III., pp. 466. Index, pp. 84. 2 plates.

Pp. 37-64 of the index to Vol. II. are bound up at the end of Vol. III. The contents are arranged chronologically. The plates in Vol. I. are: Free Watermen and Lightermen's Asylum—Watermen's Hall, 1647—London Bridge, 1624. The plate in Vol. II. is: Watermen's Hall, 1749. The plates in Vol. III. are: Watermen's Hall, 1670—Watermen and Lightermen's Hall, 1780.

Humphreys (George) The law relating to local and municipal government. *See* Bazalgette (C. Norman).

Humphreys (William) Supply of water to London from the river Thames at Henley under the management of a metropolitan commission. London, 1849. 8vo, pp. 14. 2 diagrams.

[A pamphlet bound up with others in volume *London water supply, 1849-64. See Water.*]

Humphreys-Davies (George) The principles of rating. *See* Boyle (Edward).

Hungerford-bridge and Wellington-street-viaduct, First report from select committee appointed to inquire into the roadway and viaduct proposed to be made on the Thames-embankment from Hungerford-bridge to Wellington-street, Strand, and whether the site might not be more advantageously occupied by some public building; with proceedings, minutes of evidence, and appendix. London, 1869. Folio, pp. x., 143. 15 plans.

Contents, *inter alia*: Return of the number of vehicles and persons passing over Westminster-bridge between the hours of 6 a.m. the 10th, and 6 a.m. the 11th of June, 1865—Memorandum on measures to be adopted for preventing excess over the original estimates of the cost of public buildings—General method of executing buildings at the South Kensington Museum.

Plates: Plan showing the works authorised by the Thames Embankment Acts, 1862 and 1868; and the disposal of the reclaimed land as provided for by the same Acts and by the Metropolitan Districts Railway Act, 1864—Plan showing suggested approach from Charing-cross, skirting the west side of Northumberland House, and the authorised approach to Wellington-street—Plan of works proposed by the Thames Embankment (North) Approaches Bill, 1866—Plan of metropolis, showing main thoroughfares in connection with the Thames embankment and its approaches—Sections of streets on the river side of the Strand, showing their levels in reference to the main embankment roadway (2 plates)—Plans and sections showing widths and gradients of Water-street and Strand-lane—Sections showing gradients of some main thoroughfares in the metropolis—Plan for a curved road from Charing-cross to the Thames-embankment roadway and also for widening Charing-cross (2 plates)—Plan of the lay-out of the South Kensington estate in 1869—Plan of erection of Natural History Museum on the embankment (4 plates).

Hunt (Arthur Joseph) The law relating to boundaries and fences. London, 1866. 12mo, pp. xiv., 266.

——— The same—fourth edition, by Archibald Brown. London, 1896. 8vo, pp. xlviii., 378.

Hunt (John) London local government: the law relating to the London County Council, the vestries and district boards elected under the Metropolis Management Acts, and other local authorities. London, 1897. 8vo, 2 vol.

Vol. I., pp. xxvii., 584. Index to the two volumes, pp. 111.

The full text of the following Acts is set out, with marginal descriptive notes opposite each section and numerous footnotes: Local Government Act, 1888 and 1894—Municipal Corporations Act, 1882—County Councils (Elections) Act, 1891—Metropolis Management Acts, 1855 and 1856—Metropolis Management Amendment Acts, 1858, 1862 and 1890—Metropolis Management Act, 1862, Amendment Act, 1890—Public Health (London) Act, 1891—Public Health Act, 1896—Public Health Orders—London Building Act, 1894—Metropolitan Paving Act, 1817 (Michael Angelo Taylor's Act)—County Councils Association Expenses Act, 1890—London Council (General Powers) Act, 1891—Lee Valley Drainage Act, 1892—London County Council (General Powers) Acts, 1892, 1893, 1894 and 1895—Municipal Elections (Corrupt and Illegal Practices) Act, 1884—Vestrymen and Auditors (London) Election Order, 1897.

Vol. II., pp. iv., 701-1376.

This volume consists of extracts from numerous Acts not solely affecting London. It is arranged in alphabetical order of subjects. The subjects are: Alkali, &c., works—Audit of county council accounts—Barbed wire—Baths and washhouses—Bills in Parliament—Burial—Canal boats—Charities—Common lodging houses—Coroners—County electors—Destructive insects—Diseases of animals—Disorderly houses—Electric lighting—Explosives—Factories and workshops—Fertilisers and feeding stuffs—Fire brigade—Food and drugs—Gas—Highways—Housing of the working classes—Infant life protection—Loans—Loan societies—Local stamps—Local taxation returns—Lunatic asylums—Military lands—Open spaces—Overhead wires—Petroleum—Places of religious worship—Prevention of cruelty to children—Public authorities protection—Public bodies corrupt practices—Public libraries—Quarter sessions—Racecourse licences—Railways and canals—Rating—Reformatory and industrial schools—Schools for science and art—Science and art—Scientific societies registration—Shop hours—Subways—Superannuation—Technical instruction—Thames (prevention of floods)—Theatres, music, and dancing—Tramways—Water—Weights and measures—Wild birds.

Hunter (Rev. Henry) History of London, containing an account of the origin of the city; its state under the Romans, Saxons, Danes and Normans; its rise and progress to its present state of commercial greatness; including a historical record of every important and interesting public event from the landing of Julius Cæsar to the present period; also a description of its antiquities, public buildings and establishments, of the revolutions in its government, and of the calamities to which its inhabitants have been subject by fire, famine, pestilence, &c. London, 1811. 4to, pp. xxxii., xi., 924. Maps, plans and views.

Contents *inter alia*: Origin of name—Description of situation—Origin of Wittenagemot—Origin of Westminster—Account of the tax Danegelt—Tables of the value of coins and commodities—Origin of the Domesday Book—Constitution and charter of the Corporation—Origin of the office of mayor—

Hunter (Rev. Henry) *History of London—continued.*

Charter for the navigation of the Thames—Charters granted by John—Exports and imports—Sterling money coined by John—Poll-tax levied—Methods adopted to supply London with water—Westminster-abbey built—Explanation of term *Fulkmote*—Tables of price of provisions—Expenses of maintenance—First assessment in the City of wards—New privileges of London—Smithfield market laws—Guildhall built—New charter—Fleet ditch rendered navigable to Holborn—Extent of London in 1528—Streets of London ordered to be paved and water brought from Hampstead to the City—Number of foreigners in London in the time of Elizabeth—New buildings prohibited—Charterhouse school established—New River brought to London—Corporation of London remonstrates against ship-money—Measures taken to rebuild London after the fire—Origin of corporation towns—Boundaries of City distinguished—Incorporation of City companies—History of the Bank of England—Billingsgate made a free market—Watchmen appointed to guard London—London extended on all sides—Fleet market—Mansion-house built—Building of Westminster-bridge—British museum—City gates pulled down—Building laws enacted—London now paved and the streets distinguished by their names—Improvements in buildings about London—Account of the West India docks.

Plates: Views of Temple-bar, Somerset-house, St. James's-palace, Tothill-fields, the Monument, the new church (Strand), Buckingham-house, Westminster-bridge, Blackfriars-bridge—Plans of the City of London before and after the fire in 1666, and of the new wet docks.

Hunter (Sir Robert) The preservation of open spaces, and of foot-paths, and other rights of way: a practical treatise on the law of the subject. London, 1896. 8vo, pp. xxii., 424.

Contents: Nature of a common and rights thereon—Inclosure of a manorial common by the lord of the manor—Rights of common connected and not connected with manorial system—Common of estovers and common of turbary—Rights of digging gravel and other species of subsoil—Rights of sole pasture and sole pasture—Claims by the inhabitants of a district to enjoy rights on a common—Mode of ascertaining common rights, and loss or extinguishment thereof—Power of local authorities to prevent inclosures by the lord of the manor—Inclosure of a manorial common by way of copyhold grant—Disfigurement of a manorial common; and, herein, powers of highway authorities—Inclosure of a manorial common by authority of parliament—Common fields, meadows, and pastures—Waste and commonable lands of a forest—Village greens—Fuel allotments and recreation grounds—Exceptional provisions as to inclosure—Appropriation of common lands for the purposes of industrial undertakings—Regulation of commons as open spaces under the Metropolitan Commons Acts and under the Commons Act, 1876—Nature of a footpath—Obstruction of footpaths; and, herein, their dedication—Remedies for obstruction of footpaths—Stoppage or diversion of a footpath by order of Quarter Sessions—Repair of footpaths—Highways of an exceptional kind—Road-side waste—Foreshore and cliffs—Rivers and lakes.

There are eight appendices, among which are: Judgment of the Master of the Rolls upon the scheme for regulating Hackney commons—Act and scheme under the Metropolitan Commons Acts for the management of Banstead commons.

Hurlstone (E. T.) and J. P. Norman, Reports of cases argued and determined in the Courts of Exchequer and Exchequer Chamber. London, 1857-62. 8vo, 7 vol.

Hurlstone (E. T.) and F. J. Coltman, Reports of cases argued and determined in the Courts of Exchequer and Exchequer Chamber. London, 1861-71. 8vo, 12 vol.

Hutchinson (G. L.) A plan for the equalization of the poor rates throughout the United Kingdom by abolishing the law of settlement and the removal of paupers; also saving annually thousands of pounds to the ratepayers, preventing all parochial litigation and greatly benefiting the condition of the poor. Second edition, with considerable additions, new tables, &c. London, 1849. 8vo, pp. ix., 151. Appendices, pp. [44].

Contents, *inter alia*: Table of annual value of real property assessed to the poor rates—Contrast of seven of the highest-rated counties with seven of the lowest-rated counties, and the ability of each to bear the burden, shown—Unjust proportion of such burden demonstrated—Parochial divisions intended for ecclesiastical purposes only—An equalized rate proved to be in strict conformity with 43 Eliz., c. 2—Mr. W. Farr's opinion of equalized rate as respects the metropolis—Tables showing gross inequalities of rateal—Iniquitous shirking by wealthy corporations, &c., of the poor rates—Extra parochial places not contributing anything for the support of the poor—An equalized rate of 1s. 6d. in the £ shown to be amply sufficient for the support of the poor and which would lower the rates in forty-six counties of England and Wales—Necessity for revaluation of parishes—Cases of inadequate valuation—*Close parishes*, their unjust immunity from poor rates shown—Crowding of "open parishes" most injurious to morals and health—Universities and Inns of Court to pay no poor rates—Objections to national rate without parochial control—Expense and absurdity of the law of settlement—Monstrous waste of the ratepayers' money in parish litigation—A pauper's illegal marriage very costly to the ratepayers—Injury of the law of settlement on the morals and habits of the poor—Waste of thousands of pounds annually in removals—Injury and deaths caused by forced removals—Necessity for taxing personal property for poor rate—Contrast between treatment of the poor and the criminal—Table of the average rate paid in the £ for every parish in England and Wales—Table of costs of removal of paupers in England, 1842-44.

Hutton (Charles) Mathematical tables. London, 1860. 8vo pp. lxviii., 368.

Hutton (Laurence) Literary landmarks of London. London, 1885. 8vo, pp. x., 361.

Hyde Park, Plan of. London, 1799.

The plan was taken on 4th June, when 66 volunteer corps paraded there. It shows the position of the corps and the position occupied by His Majesty; also, the strength and commander of each corps.

Hydro-mechanics, A series of lectures on the theory and practice of. See Civil Engineers, Institute of.

I.

Import Duties (Colonial) Return of the rates of import duties levied upon the produce and manufactures of the United Kingdom, etc., in the principal colonial and other possessions of the United Kingdom. London, 1897. 8vo, pp. viii., 399.

Some notes at the beginning contain regulations of general application to the customs tariffs of the respective colonies; and a table of the rates at which the standard coins of certain countries have been converted into pounds sterling. The return is arranged primarily under fourteen general heads roughly classifying all commodities. Most of these are subdivided under more special heads. Under these last the import duties are set out under each country. Under each country the individual items are set out in detail.

Import Duties (Foreign) Return of the rates of import duties levied in European countries and in the United States upon the produce and manufactures of the United Kingdom. London, 1897. 8vo, pp. xiii., 433.

The introduction (pp. xiii.) contains a table of weights, measures, and money used in the tariffs of the respective countries, with the English equivalents. Besides this, the English equivalents are given opposite each item of import duty. The return is arranged similarly to that of colonial import duties (*vide supra*).

Improvements, Metropolis.—London improvements, 1734–1854. [Volume of pamphlets.] 8vo.

Contents:—

A critical review of the public buildings, statues and ornaments in and about London and Westminster; to which is prefixed the dimensions of St. Peter's Church at Rome and St. Paul's Cathedral at London. [Anonymous.] London, 1734. 8vo, pp. [vi.], viii., 119.

Prospectus of a design for various improvements in the Metropolis, principally about the Court; by an Architect. London, 1816. 8vo, pp. 75.

Metropolitan improvements, with nine plans of the new streets and two maps of the Royal Victoria-park for the Tower Hamlets. [From the *Westminster Review* for October, 1811.] London, 1811. 8vo, pp. 32. 11 plates.

A letter to the Rev. the Dean and Chapter of Westminster on the intended alterations in the interior of Westminster Abbey; by a clergyman of the Church of England. London, 1841. 8vo, pp. 20. 1 plate.

Metropolitan Improvement Society. Fourth annual report from the Committee of Management to the general meeting of the society, held July 31, 1845. London, 1845. 8vo, pp. 8.

An address to the inhabitants of St. James's, Westminster, on certain local circumstances affecting the health of rich and poor: by a Retired Churchwarden. London, 1847. 8vo, pp. 26.

Parish of St. John, Clerkenwell, Middlesex.—Report of a committee of the Board of Commissioners for paving, &c., respecting ruinous and dangerous buildings and nuisances. London, 1847. 8vo, pp. 16.

On cleansing the house drains and sewers of the Metropolis and large towns upon a self-acting principle, whether under an intermittent or constant system of water supply, with a description of Hosmer's patent self-discharging house cistern. [Anonymous.] London, 1818. 8vo, pp. 16.

A description of the new palace of Westminster. [Anonymous.] London, 1848. 8vo, pp. 24. 5 plates.

Old and New London. [An anonymous article on Knight's "London," extracted from the *Westminster Review*, No. 11, of Vol. xliii., pp. 259–306.] London, [n.d.]. 8vo, pp. 259–306. 3 plates.

Improvements, Metropolis.—London improvements—*continued*.

Description of St. George's Cathedral. [Anonymous.] London, [n.d.], 8vo, pp. 24.

See also Bennoch (Francis), Dunkin (A. J.), Eden (Sir F. M.), Gisborne (Lionel), Heseth (Robert), Hume (Rev. Charles), Kerl (Henry), Kyle (Davis D.), Taylor (J. R.), Williams (John).

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- Two plans on one sheet (i) of the old streets about London Bridge; (ii) of a new street proposed to be built from the Royal Exchange to London Bridge. London, 1760.

[These appeared in the *Gentleman's Magazine* for 1760, Vol. xxx., p. 610.]

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- Report from select committee appointed to consider of the most effective plan for raising of money to carry into effect the necessary improvements required in the Cities of London, Westminster, Borough of Southwark, and Counties of Middlesex and Surrey, and for the purchasing of the interest of the proprietors of the Waterloo and Southwark Bridges, that they may be thrown open for the use of the public free of toll; with minutes of evidence and appendix. London, 1836. Folio, pp. vi., 56. 15 plans.

Contents of appendix, *inter alia*: Southwark Bridge Company: statement of capital raised, capital expenditure, annual tolls, 1819-35, and dividends paid, 1824-35 (p. 47)—Produce of lotteries in each year from 1793 to 1824 (p. 54).

Plans: Proposed street from Finsbury-square to Whitechapel, and from Whitechapel to Commercial-road—Proposed street from Holborn to Strand, and plan for taking down one side of Holywell-street next Strand—Proposed street from Farringdon-street to Clerkenwell Sessions House—Proposed street from Mansion House to Southwark Bridge—Proposed street from Oxford-street to Broad-street, St. Giles—Proposed street from the Bank to the Post Office—Proposed street from Gower-street to Waterloo Bridge—Proposed improvement at High Holborn by taking down Middle-row—Proposed street from St. Paul's Cathedral to Blackfriars Bridge—Proposed viaduct from Skinner's-street, Snow-hill, to Holborn—Proposed street from St. George's Church in the Porch to Blackfriars Bridge—Proposed street from Westminster Abbey to Pimlico—Proposed street from the Post Office to Holborn-hill—Proposed improvement from the St. Catherine's Docks to Eastcheap—Continuation of proposed street from St. George's Church, Southwark, to Blackfriars, Waterloo and Westminster Bridges.

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- Second report from select committee appointed to take into their consideration the several plans, concerning which a report was made in 1836, together with any other plans which they may deem deserving of consideration, and to report their opinion as to the expediency of adopting any of the said improvements, and also as to the best means of carrying the same into effect; with minutes of evidence, appendix, index and plans. London, 1838. Folio, pp. xii., 182; iv., 41; [6]. 39 plans.

Contents of appendix, *inter alia*: Abstract of estimates for proposed street improvements (p. 35)—Statement of distances saved by proposed new lines (pp. 58-59)—Statement of debt and interest of the City moiety of the Gresham Estate (p. 77)—Schedule of houses and property required for proposed public improvements in Wapping (pp. 115-117)—Accout of amount received for defraying charge of making approaches to London Bridge from 30th June, 1832 (p. 122)—Statement of amount of incumbrances charged upon funds raised, amount discharged and sum remaining undischarged, with

Improvements, Metropolis.—Second report, 1838—*continued*.

estimate of time required to pay off remaining debt (p. 123)—Report of the Commissioners of Woods, etc., on plan of new street from Broad Sanctuary, Westminster, to Brewer's-street in Chelsea-road; with estimate of cost thereof and income to be derived therefrom (pp. 176-179)—Memorial to the Commissioners of Woods, etc., from inhabitants in neighbourhood of Long-acre, applying for continuation of line opened from Waterloo-bridge to Long-acre, and from Long-acre to Holborn (pp. 180-181)—Comparative heights of several of the streets in Westminster, with the Trinity House datum of the average high-water level of spring tides in the river Thames, as inscribed on the west pier of the centre arch of Westminster-bridge; and as compared with the outlet of the Wood-street sewer (p. 182).

Plans (other than those in first report): Wren's plan for rebuilding London after its destruction by fire in 1666—General view of the plans—Line of streets to connect Piccadilly with Cheapside—Improved communications from east end of Piccadilly to Great Queen-street and Covent-garden—Improved communications from Long-acre to Lincoln's-inn-fields and Chancery-lane, and to New-inn and Clement's-inn; and transverse communications from the Strand to High Holborn, crossing the east and west sides of Lincoln's-inn-fields—Proposed new street from Pickett-place, Strand, to High Holborn—Improvements of Holborn-hill—Proposed street from Oxford-street to Leicester-square—Aldgate and its vicinity—Proposed improvements in Wapping—Westminster improvements—Proposed improvements in buildings and site surrounding Westminster Abbey and the new Houses of Parliament—Improvement of Lower Westminster and locality westward to Chelsea-road, including parlious south and east of Buckingham-palace—Proposed improvements in roads from London and Westminster through Chelsea; also proposed road into Hyde-park from Knightsbridge—Approaches to the British Museum; improvement of parlious of Covent-garden and Drury-lane theatres; connecting line between Oxford-street and High Holborn—Improvement of Clerkenwell by continuation of Farringdon-street to Cuppice-row, and by covering Fleet sewer—Communication south of the Thames, connecting the eastern and western parts of the metropolis—New street from Little Tower-street to Crutched Friars, opening a communication between London-bridge and Whitechapel and the Commercial and Black wall Railway; new street from Custom-house to Gracechurch-street, for relief of Thames-street and Fish-street Hill—Parish of Christchurch, Middlesex, with proposed new road from north end of Wheeler-street, through Rose-lane, to Wentworth-street—Proposed new streets in Southwark—Proposed new streets from Southwark Town-hall to Westminster-bridge, connecting the five bridges; from St. George's Church to Blackfriars-bridge; from Tooley-street to Blackfriars-bridge—Thames improvement plan—Elevation and longitudinal sections of proposed improvements to Thames, showing situation of wharves, docks and other property upon intended line—Longitudinal section of intercepting sewer of Thames in improvement plan—Prospective view and elevation of proposed improvements to river Thames, with section of grand sewer, wharves, and public walks—Proposed collier and steam shipping wharves on the eastern side of the Isle of Dogs—Proposed thoroughfares from east to west to relieve Holborn, the Strand and the City of a portion of the traffic—Proposed thoroughfare from Regent's-circus to the British Museum—Proposed thoroughfares from Oxford-street to Old-street; from Clerkenwell to Barbican; from Finsbury-square to Whitechapel—Proposed thoroughfares from Barbican to Fore-street; from London-wall to Houndsditch; from Fore-street to the Bank—Proposed street from south side of St. Pan's-churchyard to London-lodge, Tower-hill, Aldgate, and Commercial-road, to relieve Cheapside, Poultry, Cornhill, and Whitechapel—Second design for west end terminus of proposed thoroughfare from Piccadilly to Stratford, showing a new street, by widening St. Andrew-street, through Seven Dials, with plan for improvement in front of proposed facade of the Museum—Third design for same; and continuing Tottenham-court-road to St. Martin's-lane.

Improvements, Metropolis.—First report from select committee appointed to take into their consideration the several plans concerning which reports were made in 1836, 1837 and 1838, together with any other plans for the same object which they may deem deserving of consideration; with minutes of evidence, appendix, index, and plans. London, 1839. Folio, pp. vii., 53. 9 plans.

Contents of appendix, *inter alia*: Account of amount received for defraying charge of making approaches to London-bridge in year ended 5th January, 1839, distinguishing sums received under several heads of taxation or contribution from the City of London (p. 1)—Estimate of cost of street from St. John-street to Farringdon-street and of improvements at Holborn-hill (pp. 43-44).

Plans: Proposed streets in continuation of Farringdon-street to St. John-street and Islington, and communicating with the Charterhouse and adjacent streets—Proposed street from St. John-street to West-street, leading into Farringdon-street and communicating with Charterhouse-square—Plan and elevation of projected viaduct from north end of Fetter-lane to Old Bailey; showing also proposed improvement of Farringdon market—Proposed communication between parishes of St. James and Bloomsbury—Improvements in roads from south-west side of London through Pimlico, Chelsea and Fulham—Plans and elevations of proposed improvements to north end of Davies-street—Streets, &c., lying between and near to Farringdon-street and north end of Southampton-street, Pentonville; showing thereon a new connecting main street proposed to be made between Farringdon-street and Copple-row; also new branch street from Bagnigge-wells-road to Southampton-street—Plan of Messrs. Chawner and Rhodes—Proposed lines and improvements in Shoreditch and approaches thereto.

First report from select committee appointed to take into consideration the several plans for the improvement of the metropolis, concerning which reports were made to this House in the years 1836, 1837, 1838 and 1839; together with any other plans for the same objects which they deem deserving of consideration; with minutes of evidence, appendix and plans. London, 1840. Folio, pp. xii., 84. 8 plans.

Contents of appendix, *inter alia*: General estimate of forming four new streets (pp. 9, 39)—Account of amount received for defraying charge for making approaches to London Bridge in the year ended 5th January, 1840, distinguishing sums received under several heads of taxation or contribution from the City of London (p. 12)—Account of quantity of coal, culm, &c., imported into Port of London in each of the three years ending 31st December, 1837-39, and 5th January, 1838-40; and account of drawback of 8d. per ton upon coal exported from Port of London from 15th October, 1838, to 5th January, 1840 (p. 28)—Statement of produce of duty of 8d. per ton on coals imported into Port of London, for raising £1,000,000 for making and improving approaches to London Bridge from 5th July, 1829, to 5th January, 1840 (p. 32)—Widths of principal streets in London (pp. 39-41).

Plans: New streets from Oxford-street to Holborn, from Bow-street to Charlotte-street, from London Docks to Spitalfields Church, from Coventry-street to Long-aere—Clerkenwell improvement, continuation of Farringdon-street to Clerkenwell-green—Southwark improvement, new street from Stamford-street to Wellington-street, London Bridge—Estate of Francis Nugee, Esq., in St. Giles-in-the-Field—Proposed new street through Mr Nugee's estate.

Second report: with minutes of evidence, appendix, index, and plan. London, 1840. Folio, pp. vi., 32. 1 plan.

Plan: New street connecting district around Belgrave-square with the Houses of Parliament and Courts of Law.

Improvements, Metropolis.—First report of Commissioners appointed by Her Majesty to inquire into and consider the most effectual means of improving the metropolis, and of providing increased facilities of communication within the same; with minutes of evidence, appendix, and plans. London, 1844. Folio, pp. 261. 62 plans.

Contents of appendix, *inter alia*: Abstract of Thomas Page's estimates for cost of terraces from Westminster Bridge to Blackfriars Bridge on Middlesex and Surrey sides of the river (p. 115)—General estimates of City improvements proposed (pp. 164-165)—Amount of frontage of river occupied by each party from Vauxhall Bridge to Chelsea (p. 169)—Memoranda respecting conservancy of the Thames, and conflicting rights and authorities connected with its management—Estimate of expenditure and subsequent income from Sir Frederick Trench's plan—Table showing at one view the results of a series of questions submitted by the Commission to the Hydrographer of the Admiralty and others, in reference to an embankment of the Thames between London and Vauxhall Bridges—Correspondence between Earl Lincoln and George Tayler in reference to embankment between Westminster and Blackfriars—Correspondence between Earl Lincoln and W. Cubitt and W. K. Maughan—Letter from Directors of London Dock Company to Earl Lincoln as to probable effect of any embankment of the Thames upon the influx of tidal waters and upon the general scour of the river in the Port of London—Memorandum by Sir H. T. de la Beche on estuaries and their tides—Extracts from papers referred to by Thomas Page—Letters from Thomas Page to Earl Lincoln in explanation of tidal tables, etc.—Comparative statement of tidal observations at Sheerness and St. Katherine's Docks during months of February to April, 1843—Letter from Thomas Page to Earl Lincoln on the present state of the river below London Bridge and above it, on the progressive change in the state of the river, on the effect of the change in the river upon the bridges, etc., on the objects of a system for improving the river, on the treatment of the Thames as a navigable river, on the adaptation of the means of improving the river to facilities of communication in the metropolis, on the adaptation of side channels or docks for the trade at the wharves, on the general and subsequent embankments—Measurements of common sewers, drains, etc., from London Bridge to Vauxhall Bridge on north or Middlesex side of river—Depth of mud at about 80 feet in front of wharves on north and south sides of the river, taken on the 4th and 5th March, 1841—Classification of trades, etc., on each side of the river between Vauxhall and London bridges; extent of frontage occupied by each division, and number of barges lying at respective wharves at date of survey (March, 1841)—Results of observations to ascertain direction and velocity of flood-tide from Woolwich upwards and of ebb-tide from Hungerford Bridge to Woolwich, 27th June, 1843—Statement of transverse soundings of the river Thames between Vauxhall and London bridges in 1823 and 1843—Statement of soundings following the set of the ebb-tide from Vauxhall Bridge to Bugs-by's Hole (taken June, 1843), with which the depths in the longitudinal section of the river correspond—Memorandum of number of barges and other craft lying at the respective wharves between London and Vauxhall Bridges on the Middlesex side of the Thames on 8 days in April and May, 1843—Heights above Trinity datum, at the several points undermentioned, of the nearest line of communication parallel with the river between Blackfriars Bridge and Whitehall, including Chatham-place, Blackfriars, and the east-end of Whitehall-place, at their respective junctions with the river (taken July, 1843)—Estimate for an embankment on the Middlesex side between Westminster and Blackfriars bridges according to Mr. Page's plans—Accounts relating to charge of making approaches to London Bridge—Correspondence as to proposed embankment between Vauxhall and Battersea Bridges.

Plans: Thames from Westminster to Blackfriars in seventeenth century, showing successive encroachments by embankments—Embankments in progress on south side of Thames (2 plates)—Embankments in progress on north side of Thames—Embankment in progress at Isle of Dogs—River

Improvements, Metropolis.—First report of Commissioners, 1844—*continued.*

Thames from Vauxhall-bridge to London-bridge, showing line of proposed embankments—Thames and metropolis improvement plans by John Martin : (i.) line of embankment and roadway between Westminster-bridge and Blackfriars, as laid down in 1832 and 1834 ; (ii.) general line of embankment, sewers, etc., marking depths between Westminster and London-bridge ; (iii.) elevation of line of roadway and wharf quay from Temple-gardens to Blackfriars-bridge, with transverse section at Somerset House ; (iv.) River Thames from Vauxhall-bridge to London-bridge, showing line of proposed embankment ; (v.) three sections of embankment and public roads, without recess or other docks, substituting floating pier for recesses, retaining recess docks ; (vi.) section of wharves in embankment and mode of effecting communication between the river at the existing docks and the shore traffic, without crossing or interrupting the uniform low elevation of the proposed roadway (6 plates)—Transverse sections of the Thames at 44 different points (26 plates)—Longitudinal section showing bed of the River Thames from Vauxhall-bridge to Blackwall (3 plates)—Longitudinal sections of Westminster, Waterloo and Blackfriars Bridges (3 plates)—Transverse sections through the centre arches of Westminster, Waterloo, Blackfriars, Southwark and London Bridges (5 plates)—Elevation of the Middlesex pier of the Hungerford suspension-bridge and section of the roadway, showing also the bed of the river in the middle of the waterway—Section of the River Thames from Westminster-bridge to London-bridge, connecting the six bridges separately lithographed (2 plates)—River Thames from Vauxhall-bridge to London-bridge, showing lines of embankment proposed by Messrs. Walker and Burges (Plan A)—Thomas Page's plan (Plan B)—Part of Plan B enlarged, showing proposed embankment and public terrace on north side of river only between Blackfriars and Westminster bridges—Plan B with modifications suggested by Messrs. Cubitt and Rendel (2 plates)—Proposed embankment and public terrace on north side of Thames between Blackfriars and Westminster bridges—Elevation of proposed terrace at height of ten feet above Trinity standard—Transverse section of terrace—Plan C for embanking the river on both sides from Vauxhall-bridge to London-bridge upon the levels of the present wharves, gardens, etc., for providing private docks or slips for each wharf or for two adjoining wharves, and for forming a public road from London-bridge to Vauxhall-bridge on the Surrey side of the river—Plan of the river from Battersea-bridge to Vauxhall-bridge, showing proposed line of public roadway.

——— Second report ; with minutes of evidence, appendix and plans. London, 1845. Folio, pp. lxvi., 245. 11 plans.

Contents of appendix, *inter alia* : Memorandum showing result of various proposals to freeholders and proprietors of frontage on the line of the Chelsea-embankment, with a view to division of the expense—Letter from Sir W. J. Hooker to Earl Lincoln respecting the botanic gardens at Chelsea and Kew—Correspondence between Commission for Metropolis Improvements and Commissioners of Chelsea Hospital—Height of the tides above or below Trinity high-water mark, Vauxhall-bridge, in the river Thames, taken on the bank at the end of Turpentine-lane, on the north side of Chelsea-reach, twice daily from 6th May, 1834, to 31st December, 1843, with exact time and prevailing wind and weather.—Register of the rise and fall of the tide in the river Thames at the Shadwell entrance of the London Docks from 1st January, 1833, to 1st January, 1844—Average depth of low water on sill of London Dock gates, and depths of highest spring and lowest neap tides during each fortnight of 1842—Lowest low water depth and highest high water depth at London Dock, Shadwell entrance, one tide in each month of 1843—Return of tides, twice daily, at London Dock entrance, from 16th February to 16th March, 1840—Table showing for the same flood tides the time and depth of low and high water at Gravesend and at London Dock, Shadwell entrance : also comparative rise of each tide at the two places—Register of tidal observations, twice daily, from 1st January, 1832, to 31st December 1843, at Her Majesty's Dockyard, Sheerness—Tidal observations

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in the river Thames, twice daily, from 8th April, 1843, to 7th May, 1843, from St. Katharine's Docks to Teddington Lock, showing times of high and low water and rise and fall of tide—Comparison of rise and fall of tide between London Docks and Teddington Lock in 1823 and 1845—Statement of transverse soundings between Battersea-bridge and Vauxhall-bridge in 1823 and 1845—Statement of soundings following the set of the ebb tide from Battersea-bridge to Vauxhall-bridge (taken April, 1845), with which the depths in the longitudinal section of the river correspond.

Plans: Maps in which public thoroughfare can be continued in front of property of Chelsea College—River Thames from Battersea-bridge to Vauxhall-bridge, showing proposed line of public roadway (2 plates)—Transverse sections of the river at 17 points between Battersea and Vauxhall Bridges (6 plates)—Longitudinal section showing bed of river from Battersea-bridge to Vauxhall-bridge—Chelsea Hospital and parts adjacent.

— Third report; with minutes of evidence, appendix, and plans. London, 1845. Folio, pp. vi., 72. 10 plans.

Contents of appendix, *inter alia*: Correspondence between Treasury, the Commissioners of Woods, the Dean and Chapter of Westminster, and others, respecting certain plans for improving the southern parts of Westminster, with other papers relating thereto, of dates previous to appointment of Commission—Tables of heights of several streets in southern Westminster.

Plans: Proposed new streets in Westminster (2 plates)—New street connecting district round Belgrave-square with Houses of Parliament and Courts of Law—Part of the City of Westminster showing line of street from Westminster Abbey to Vauxhall Bridge-road—Improvements at Westminster, proposed by Metropolitan Improvement Society—Southern Westminster, with levels of surface at various points above Trinity datum—Sections of ground along twelve lines in Westminster compared with the level of Trinity high-water, and that of the highest tide (4 plates).

— Fourth report; with minutes of evidence and plan. London, 1845. Folio, pp. 12. 1 plan.

Table: Width of existing thoroughfares between the new street from London Docks to Spitalfields Church, at its termination in front of Spitalfields Church, and Shoreditch.

Plan: Improvements suggested in extension of, and in connection with, the new street from London Docks to Spitalfields Church.

— Fifth report; with minutes of evidence, appendix and plans. London, 1846. Folio, pp. 30. 12 plans.

Plans: River Thames from Battersea-bridge to Vauxhall-bridge, showing proposed royal park at Battersea, and proposed line of public roadway along the north bank of the river—Designs for a bridge to connect proposed embankment and park (4 plates).

The remaining plans and the appendix are reproduced from the second report.

— Sixth report; with minutes of evidence, appendix and plans. London, 1847. Folio, pp. 44. 4 plans.

Contents of appendix: Memorandum as to practicability and expediency of erecting upon the Rolls Estate a general depository of public records, with reference also to the improvement of the public thoroughfares around that estate—Letter from Master of the Rolls to Secretary of Treasury as to site, &c., of General Record Repository—Report on measurements of certain of the public records—Extract from "Materials for the history of public departments."

Plans: Rolls estate and other properties in the neighbourhood thereof, shewing how they would be affected by the erection of the proposed Public

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Record Office and by public improvements—Main central thoroughfare from eastern to western quarters of London, suggested in connection with proposed new Record Office—Proposed arrangements of ground and first floors of new Record Office (2 plates).

——— Seventh report; with minutes of evidence, appendix and plans. London, 1851. Folio, pp. 42. 4 plans.

Contents of appendix, *inter alia*: List of owners or reputed owners, lessees and occupiers of the property required for making the proposed new street from near the north-east corner of St. Martin's-lane (opposite Cranbourne-street) to King-street, Covent-garden—Some particulars of the lettings-off and businesses carried on on the same property—Resolutions of the Vestry of St. Paul, Covent-garden—Accounts of receipts and expenditure at various dates under various heads of the London Bridge Approaches Fund.

Plans: Proposed new street from St. Martin's-lane to King-street—Several properties that would be interfered with by such street—Proposed new street from Cranbourne-street to Bedford-street, Covent-garden—Parish of St. Paul, Covent-garden, with circumjacent district, and communication of proposed line of street with existing thoroughfares in vicinity.

——— Town improvements (betterment).—Report from the select committee appointed to consider and report whether, in the case of improvements sanctioned by Parliament and effected by the expenditure of public funds, persons, the value of whose property is clearly increased by an improvement, can be equitably required to contribute to the costs of the improvements, and, if so, in what cases and under what conditions Parliament should sanction the levying of such contributions in local Acts or provisional orders; with proceedings, minutes of evidence, appendix, and index. London, 1894. Folio, pp. xiv., 374.

Contents of appendix, *inter alia*: List of improvements executed by the London County Council and its predecessors—Rateable value (net) of each parish and union in the County of London (excluding Penge and the extra-parochial places), at quinquennial periods, or thereabouts, from 1830 to 1891—Tables put in before Committee on London Improvements Bill, showing effect of recoupment principle in cases of metropolitan improvements—Excerpt from account of “The receipt and expenditure of the Commissioners for the City improvements, for the year from 9 July, 1833, to 9 July, 1834”—Rateable value at various periods of the houses in Kentish Town-road, Clarence-road, and Castle-road, within the area of the Kentish Town-road improvement.

——— Statements, to the 5th January, 1846, of the receipt and expenditure of monies forming the account at the Bank of England, in respect of improvements in the metropolis by the formation of new streets from the east end of Oxford-street to Holborn, near the south end of Southampton-street; from the north side of Long-acre, opposite Bow-street, to Charlotte-street, Bloomsbury; from the London Docks to the west front of Spitalfields Church under the Act 3 and 4 Vict. cap. 87; also from the east end of Coventry-street to Long-acre, and East Smithfield to Rosemary-lane.—Return, in detail, stating the names of the surveyors or valuers, and the sum or sums paid to each surveyor or valuer employed in valuations and purchases by private contract, or by references to arbitration, and by verdicts of juries.

Improvements, Metropolis.—Statements, 1848—*continued.*

the amounts for which are included in the sum of £33,425 18s. 1d., charged in Appendix No. 27 (B) in the twenty-third report of the Commissioners of Her Majesty's Woods, Forests, Land Revenues, etc., being the seventeenth annual report, dated 25th August, 1846. London, 1848. Folio, pp. 3.

[This is bound up with the reports of the Improvements Commission.]

— Accounts of all monies borrowed or guaranteed on the security of the land revenues of the Crown for the purpose of metropolitan improvements.—Of all monies charged upon the London Bridge Approaches Fund for the like purpose, which monies it is proposed to pay out of the Consolidated Fund, to the amount not exceeding £1,220,000; stating the various amounts of such monies, the date when the specific purpose for which each such amount was borrowed or guaranteed, the rates of interest on each amount, the arrears of interest now due, and the amount of interest paid by the Department of Woods, etc., and to be repaid to that department.—A return of the various items composing the total income of the London Bridge Approaches Fund; of the sources of the income; of the periods at which such sources of income will expire; of the amount of the incumbrances on the said fund; the specific cause of each incumbrance; of the rate of interest of each incumbrance, and of the arrears of interest now due. London, 1853. Folio, pp. 33.

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Inland Revenue.—*Reports—continued.*

68, 1870–99. London, 1858–99. 38 parts in 13 vol., 8 vol. 8vo and 5 vol. folio (*continuing*).

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Contents—

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Johnston (A. Keith) A general dictionary of geography: descriptive, physical, statistical and historical, forming a complete gazetteer of the world. London, 1882. 8vo, pp. 1513.

Johnstone (Andrew) London commercial guide and street directory on a new and more efficient principle than any yet established: corrected to August 31st, 1817. London, 1817. 8vo, pp. xxxii.; 956 columns (2 on a page); pp. 957-1114, 152.

The directory is divided into four parts, viz.:—(i.) names of streets, orthographically classed and topographically described: with lengths of each, number of houses, address and professions of the inhabitants; (ii.) names of individuals, firms, and companies, alphabetically arranged, with a descriptive reference to each residence; (iii.) all professions and trades, on an original and scientific classification; (iv.) an accurate list of coaches, waggons, &c., the inns, and their days of departure; to which is affixed a separate one of the mail coaches, and all wharves whence goods are conveyed coastwise.

Johnstone (John) An account of the mode of draining land according to the system practised by Mr. Joseph Elkington. Second edition, corrected and enlarged, drawn up for the consideration of the Board of Agriculture. London, 1801. 8vo, pp. xvi., 164. 19 plans.

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Contents, *inter alia*: Ships entered and cleared at principal ports of the United Kingdom—Digest of Merchant Shipping Acts—Port directory of the world, giving particulars as to accommodation, depth of water, time of tide, port and pilotage charges, Acts of Parliament, &c.—Tariffs of all nations—Pilotage laws—Consular fees.

The map shows in distinguishing colours the routes of steamers and railways throughout the world, and the products, ports, coaling stations, coal-fields, &c., of all countries and colonies.

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[This is one of a series of reprints of descriptive pamphlets of Lord Mayor's pageants, collected by F. W. Fairholt (q.v.).]

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The return is divided into two parts. Part I., livings and other ecclesiastical benefices, is arranged in alphabetical order under the heads: living (with sub-heads, name, county, description); exoneration certificate (with sub-heads, date, registry number). Part II., charitable institutions, is arranged in alphabetical order under the heads: charity (with sub-heads, name, county); exoneration certificate (with sub-heads, date, registry number).

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In addition to the tables extracts are given from each of the water companies' Acts showing the charges they are authorised to make, and further extracts showing their general and special statutory powers as to dividends. The texts of the Water Rate Definition Act, 1885, and of the Water Companies (Regulation of Powers) Act, 1887, are given in full. The names and addresses of the secretaries of the metropolitan water companies are given.

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- The same, fourth edition. London, 1877. 8vo, pp. xxxii., 514.
- The same, fifth edition. London, 1882. 8vo, pp. xxxiii., 553.

The title is changed slightly in each edition. The full title of the fifth edition is as follows—"The law of compensation under the Land Clauses, Railways Clauses Consolidation Acts, Public Health Act, 1875, Artizans' and Labourers' Dwellings Improvement Act, 1875, and other Acts, Metropolis Local Management Act, &c., with a full collection of forms and precedents."

Lloyd (F. J.) Agricultural education. *See* Education (Technical Education Congress).**Loans on dues, etc. (Vestries, etc.)** Return. London, 1874. Folio, pp. iv., 288.

The return is arranged primarily in six divisions according as the loans were affected by (i.) poor law : (ii.) urban sanitary : (iii.) metropolitan local management : (iv.) drainage and embankment : (v.) burial board, and (vi.) harbour authorities. The heads of information, arranged in each division in alphabetical order (for the whole United Kingdom) of poor law unions, urban sanitary authorities, etc., are as follows—Original amount of loan and date of loan : rate of interest : terms of repayment and period allowed for repayment : source from which money was borrowed : security given : amount due in year for interest and principal : arrears, if any, of interest outstanding : amount of principal outstanding on the day on which the account is made up.

Local Government, Metropolitan local government, 1866—First report from the select committee appointed to inquire into the local government and taxation of the metropolis; with proceedings, minutes of evidence, and appendix. London, 1866. Folio, pp. xxvi., 119.

Tables in body of evidence, *inter alia* : Revenue of the City of Paris, 1865 (pp. 40-41)—Approximate present value of coal dues for extended periods of 2, 3, 4, 5, 6, 7, 8, 9, and 10 years beyond their present continuance, say, 6th July, 1882 (p. 49).

Contents of appendix, *inter alia* : Statement showing present condition of fund for each metropolitan improvement, money already expended, money in hand, money realisable under borrowing powers, amount borrowed, returns received, returns receivable, original estimate, and estimate to complete—Total amount of taxation by the Board for general purposes, main drainage, houseless poor, and fire brigade in each of the years 1856-66—Original amounts borrowed by the Board for various purposes, amounts paid off, and balance outstanding—Coal and wine duties account, 1863-65—Statement in detail of the sums raised in precepts of the Board for ordinary expenses in each of the years 1856-66—Letter of chairman of the Metropolitan Board of Works addressed to the representatives of the metropolis in Parliament, upon the propriety of obtaining the coal duties for metropolitan improvements—Schedule of metropolitan works and improvements in progress or contemplation—Receipts and expenditure of the 4d. coal duty yearly since 22nd July, 1861 : net produce and application ; loans chargeable thereon ; surplus fund ; loans borrowed on security of accruing coal duty—Produce of the 9d. coal duty and the duty on wine yearly since 22nd July, 1861 : cash paid to the credit of the Treasury to account of the Thames-

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embankment and Metropolis Improvement Fund—Return showing the total amount of taxation in the metropolis under the provisions of the Metropolis Local Management Acts and City Acts, by the City authorities, vestries, district boards, and the Metropolitan Board of Works, on default of vestries and district boards (including precepts of the Metropolitan Board of Works for ordinary expenses and main drainage purposes); also, sums raised for poor rates, including county and police; together with rateable annual value as per county rate basis, or like estimate, and as per poor rate, and the population; to which is also added the rate in the £ on those rentals respectively, also the area in statute acres—Extract from an account specifying the total sum charged upon and received from every parish, township, precinct, and place, for the purposes of the Metropolitan police, for 1863—Extract from electoral returns of boroughs and counties, 1865-66—Population enumerated, 8th April, 1861, and estimated for 8th April, 1866, of 22 metropolitan parishes, or parts of parishes (within the Registrar-General's limits), not within any parliamentary borough—Proceedings of the Court of Common Council and of committees of that court in reference to the extension of the 4d. coal duty and the proposed application of that duty to purposes of public improvement within the City of London, or in its immediate vicinity, resulting in the legislation of 1861 and 1863—Calculation for the basis of the Middlesex county rate.

Second report, with proceedings, minutes of evidence, and appendix. London, 1866. Folio, pp. xii., 287.

Table in body of evidence: Rates and taxes charged for the year ending 30th June, 1866, on a house situate in the parish of St. Dunstan's, Fleet-street, tenanted as chambers, in which the landlord was rated as occupier (p. 243).

Contents of appendix, *inter alia*: Rating in the £ for the relief of the poor in each district in 1840-41 and 1855-56, with average annual death rate during 1841-50 and 1851-60 and mean annual death rate during 1841-60—Return showing, for each of the Strand parishes, population, number of rateable houses, amount of property tax, rateable value upon which county and police rates are levied, poor rates as per valuation lists, number of representatives at the Metropolitan Board—Analysis of expenses of Strand District Board of Works for year ending 25th March, 1865—Various statistics for the parish of Kensington, viz., number, length and cost of new streets made up and paved during three years ended March, 1866: gross expenditure of five years ended 25th March, 1866, for paving works, road materials and lighting: analysis of the vestrymen of the parish of Kensington according to occupations; &c.—Abstract of expenditure of the parish of Newington in each of the years 1857-56—Return of proceedings taken by the Vestry of Chelsea for the removal of nuisances, and for the improvement of the sanitary condition of the parish during the period 1856-66—Tabulated statement of the expenditure of Chelsea parish for each of the years 1856-57 to 1865-66—Comparative cost and results of the Metropolitan and City Corporation police forces—Report by the parish of St. George-the-Martyr, Southwark, on constant water supply, 1866.

Index to the reports. London, 1866. Folio, pp. iv., 81.

Metropolitan Local Government, 1867.—First report from select committee appointed to inquire into the local government and local taxation of the metropolis; with proceedings. London, 1867. Folio, pp. iii.

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Third report; with proceedings, minutes of evidence, and appendix. London, 1867. Folio, pp. vi., 212.

Tables in body of evidence, *inter alia*: Amount of profits charged to income tax under Schedule D, 1865, in the City of London and the rest of the metropolis (p. 19)—Port of London compared with other ports in the United Kingdom as to the amount of customs duties (p. 19).

Contents of appendix *inter alia*: Return showing the width of certain streets in the City of London according as there is room for one, two, or three vehicles—Summary of business at the Mansion-house, 1843-63—Districts of the metropolis arranged in their order according to the relative number of houses of £13 rental—Return of the residences of persons proceeded against, on indictment and summarily, in the City police district, in the year ending 29th September, 1864, distinguishing those residing in and out of the City of London—Summary of crimes of every description in the Metropolitan and City Police districts in each of the years 1858-65—Comparative efficiency of the Metropolitan and City police forces, tested by offences summarily determined in each of the years 1858-65—Tabular abstract of indictable offences in the Metropolitan and City police districts in each of the years 1858-65, showing the relative proportion of offences in each district to its population: number of criminals: and the general and annual excess of criminals above the proportionate number—Table of disreputable and dangerous elements in the Metropolitan and City police districts in each of the years 1858-65—Fiscal power of each member of the Metropolitan Board of Works—Districts represented on Metropolitan Board of Works: existing proportion of members to board of 45 members; members proportioned to each district on the grounds of rateability and population and both; and same proportion of a board of 90 members—Improvements, public works, and buildings undertaken by the Corporation of London under the authority of Parliament or in virtue of their own corporate powers, from the date of the building of Blackfriars Bridge in 1759 to the present time—List of petitions presented against the Metropolitan Improvement Rate Bill—Return of brick and pipe sewers sanctioned by the Metropolitan Board of Works for execution by each of the vestries and district boards in each of the years 1856-57 to 1865-66—List of members of Metropolitan Board of Works, January, 1867—Return of the assessment of property in the metropolis on the county rate basis—List of the Acts of Parliament which have conferred powers upon the Metropolitan Board of Works—Return showing all moneys owing at the formation of the Metropolitan Board of Works, and the rates of interest thereon; amounts borrowed since, with dates and rates of interest thereon, purposes for which they were intended, and security given for the same; amounts paid off, with dates of payment, and amounts owing by the Board on 1st January, 1867—Return showing the rateable annual value on the 1st January, 1856, of property in the City of London and the several parishes of the metropolis within the jurisdiction of the Board upon which the Board assessed the City of London and parishes; also showing the rateable annual value on 1st January in each succeeding year, to which is added the rateable annual value now in preparation for the main drainage rate, but not yet approved by the Board—Number of inspections of houses and of orders issued for sanitary improvement in the City of London in each of the years 1856-66—Deaths from cholera per 100 attacked during epidemic of 1866 in various divisions of the metropolis—Total number of deaths in the City in each of the years 1849-66, with proportion of alvine disorders—Proportions of deaths from cholera in London and other cities and towns of Europe in various years—Comparison of death-rate per 1,000 of the population in the City of London and elsewhere in England and Wales—Death-rate per 1,000 of population in various towns and cities of the United Kingdom during the summer quarter of 1866—Statement of the architect of the Metropolitan Board of Works relative to the chief bars and street obstructions in the metropolis—Summary of powers and duties of the City Commissioners of Sewers, and the means by which such powers and duties

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are carried into effect—Tabular statement of the local Acts of the metropolis, setting forth for each parish (1) title and date of local Act; (2) number of persons elected or appointed under it, and name and style of the offices to which they are elected or appointed; (3) manner in which election or appointment is made; (4) period for which offices are held; (5) nature of the duties performed—Returns from each parish and extra-parochial place within the metropolitan area under the jurisdiction of the Metropolitan Board of Works, of the assessment upon which such parishes and places were assessed to the property tax (Schedule A), police rate, county rate, and poor's rate, for the year ending Ladyday, 1863.

Index to the reports. London, 1867. Folio, pp. ii., 39.

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Contents of report 1898-99, pp. clxxxv., 712 :—

Report; Local Government Act, 1888, and County Councils, including, *inter alia*, metropolitan medical officers of health and sanitary inspectors; London (Equalisation of Rates) Act, 1894; Metropolis Water Act, 1897—Local Government Act, 1894—Relief of the poor and the poor rate, including, *inter alia*: Poor law expenditure and out-relief in the metropolis; Metropolitan Common Poor Fund; Metropolitan Asylum District; imbecile asylums of Metropolitan Asylums Board; occupations of pauper children placed out (metropolis); report of Metropolitan Association for Befriending Young Servants; outdoor medical relief (metropolis); casual paupers (metropolis); return of deaths from starvation (metropolis); Metropolitan Poor Act, 1898—Public health and local administration, including, *inter alia*: Byelaws under the Public Health Acts and Public Health (London) Act, 1891; appointment of analysts under Food and Drugs Act, 1875; London vaccination returns; Metropolitan water companies—Agricultural Rates Act, 1896, and local taxation and valuation, including, *inter alia*, equalisation of rates in London; London debt, 1896-97; valuation to poor rate, 1874-1898 (metropolis); local valuations compared with Crown valuations (metropolis).

Appendices: Circulars, etc., issued by the Local Government Board, including, *inter alia*: Poor Law Legislation in 1898 (circular letter to boards of guardians in the metropolis)—Reports of inspectors, etc. (including, *inter alia*, the reports of Major-General Scott, and Allen Stoneham, on the metropolitan water supply)—Local Government Act, 1888, and county councils (including, *inter alia*, amounts certified as payable during 1898-99, by the London County Council towards the remuneration of poor law medical officers, etc.)—Other transactions affecting county councils, municipal corporations, parish councils, etc.—Statistics of the number of paupers relieved, including, *inter alia*: Mean number of paupers of all classes (metropolis), 1862-99; mean number of paupers excluding vagrants and insane (metropolis), 1862-99; mean number of adult able-bodied paupers, excluding vagrants (metropolis), 1862-99; number of paupers (exclusive of lunatics in asylums and licensed houses, and vagrants) relieved on the last day of each week in 1898, and on the last day of the last week in each month, 1857-97 (metropolis); number of paupers on the last day of the last week of each quarter, 1897 and 1898 (metropolis); area, population, 1896, rateable value on 6th April, 1897, and pauperism and cost of relief for the year ended Ladyday, 1898 (metropolitan unions); number of vagrants relieved in metropolitan casual wards on Friday night in each week in 1897 and 1898; average number of vagrants relieved in metropolitan casual wards on each Friday night from 1874 to 1898; number of vagrants admitted into metropolitan casual wards during four weeks of the year 1898; number of vagrants identified, for purposes of detention, by visiting officers of metropolitan casual wards in 1898; number of vagrants charged at metropolitan police courts in 1898—Poor rates, etc.: receipts and expenditure—Education of pauper children; employment of children sent from

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metropolitan pauper schools—Metropolitan Common Poor Fund—Poor law officers—Vaccination—Infectious disease notification—Public health and local administration (including, *inter alia*, loans to metropolitan baths and libraries and sanitary authorities)—Disallowances, surcharges, allowances, etc.—Orders—Local taxation returns, summary for 1896-97—Parliamentary returns, 1898.

— Supplements containing the reports of the medical officer, 1876-7, 1879, 1891-2, 1893-4 to 1899-1900. London, 1878-1901. 8vo, (*continuing*).

Contents, *inter alia*, of 1897-98 report (pp. xxvi., 344): Vaccination statistics (including births "unaccounted for," 1895 (metropolis); digest of vaccination officers' returns, 1895, metropolitan unions; Lamb's-conduit-street animal vaccine station, operation statistics, 1897-98)—Table showing week by week (1897), for each sanitary area in the county of London, cases and deaths from each of following diseases: small-pox, scarlet fever, diphtheria, enteric fever, simple continued fever, typhus fever.

— Lead poisoning by moorland waters; being a report by W. H. Power. London, 1895. 8vo, pp. viii., 332-424 (original paging). 3 diagrams.

[Reprinted extract from medical officer's report for 1893-94.]

— Model bye-laws for the use of sanitary authorities, Part IV.—New streets and buildings. London, 1884. 8vo. pp. 52.

[A pamphlet bound up with others in volume, *Streets and buildings, bye-laws and other papers relating to* (q.v.).]

— Reports and papers on the port and riparian sanitary survey of England and Wales, 1893-94; with an introduction by the medical officer of the Local Government Board. London, 1895. 8vo, pp. viii., 740. Maps and plans.

The contents consist of a detailed report on each customs port. That on the London Port Sanitary District appears on pp. 250-265. The heads of the report are: Constitution—Limits of jurisdiction—Riparian districts included (wholly or in part) in the Port Sanitary district—Apportionment of expenses—General character and efficiency of administration—Ports whence ships arrive—Character of trade—Amount of shipping inwards during three years, 1890-92—Inland water communication—Lines of railway conveying goods from port—Medical officer of health—Inspectors of nuisances—Nuisances—Isolation hospital—Disinfecting apparatus—Mortuary—Regulations under the Public Health Act, 1875—Adoption of Infectious Disease (Notification) Act, 1889—Cholera orders. An appendix contains a table showing the port sanitary districts, urban sanitary districts, and parishes of rural sanitary districts riparian to the several customs ports of England and Wales.

— Report by Sydney Stephenson on an inquiry undertaken by him at the request of the Local Government Board upon the ophthalmic state of poor law children in the metropolis. London, 1897. Folio, pp. 239.

Contents of report: Introduction—Present state as to ophthalmia of the poor law children: (a) district and separate schools, (b) Roman Catholic certified schools, (c) training ship "Exmouth," (d) ophthalmic school, (e) certified convalescent homes, (f) metropolitan infirmaries and workhouses, (g) London poor law children and their ophthalmic condition in 1874 and 1896, (h) general summary of the state as to ophthalmia of children belonging

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to metropolitan and extra-metropolitan unions and parishes—The cause—The remedy : (i.) description of a hospital school for children suffering from the various forms of ophthalmia, (ii.) general recommendations—Summary and conclusion.

Supplemental report : Introduction—Jews' hospital—Dr. Stainer's homes—Dr. Barnardo's homes—Conclusion.

Appendix : Description of each of the district and separate metropolitan poor law schools—Figures relating to ophthalmia in the various institutions visited and in the institutions referred to in the supplemental report.

——— Report on the ventilation and warming in certain of the metropolitan poor law schools, by William Napier Shaw, London, 1898. Folio, pp. 90 and plans.

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Contents : Raising of loans by local authorities—Repayment of loans by local authorities—Advances by the Public Works Loans Commissioners—Borrowing powers of local authorities under the general law—Borrowing powers of local authorities under local Acts and provisional orders—Local stock.

Appendices : Sections of Commissioners Clauses Act, 1847, with respect to mortgages to be executed by the Commissioners—Metropolitan Board of Works (Loans) Act, 1869—Local Loans Act, 1875—Sections in Derby Corporation Act, 1882, relating to Corporation stock—Orders of Local Government Board—Reg. *r.* Churchwardens of Wigan and others. Reg. *r.* Sir Charles Reed.

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Local Taxation. Metropolis local taxation, 1861. First report from the select committee appointed to inquire into the local taxation and government of the metropolis, and the local administration of justice therein ; with minutes of evidence and appendix. London, 1861. Folio, pp. iv., 129.

Tables in body of evidence, *inter alia* : Produce of the duties on wine (London-bridge Approaches Fund), gross and net produce of the City's metage duty on corn, receipts and expenditure in respect of the City's fruit metage, and gross and net produce of the City's groundage and waterbaillage on corn, in each of the years 1858-60.

Contents of appendix, *inter alia* : Amount of duties received upon inland coals brought into London, and amount paid for drawback, both foreign and inland, in the period 1838-52, and in each of the years 1853-60—Income from coal duty, distinguishing amount derived from inland coal from that derived from coal entering the Port of London, in each of the years 1853-60—Quantities of coal brought to London by each of the railway companies, by the Grand Junction Canal, by the river Thames *via* Staines, by sea (with amount from each port and number of ships bringing it) in each of the years 1852-60—Annual cost of collection of the coal duties—Income and expenditure of the 3d. per ton coal duty in each of the years 1853-60—Income and expenditure of London Bridge Approaches Fund (to which the 8d. per ton coal duty was applied) in each of the years 1853-61—List of pensions granted by the Corporation to Deputy Sea-Coal Meters upon the abolition of their offices, with lengths of

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service and amounts of pension—Income and expenditure of the market established for the sale of coals, and for regulating the vend and delivery of coals within the cities of London and Westminster, and in certain parts of the counties of Middlesex, Surrey, Kent and Essex, in each of the years 1853-60—Extracts from journals of the House of Commons of the 25th November, 1692 and 28th January, 1692 [-3] setting out the "state of the revenues of the City of London and of the offices in the disposal of the Lord Mayor and Sheriffs, and of the charge of their government"—Annual produce of the several duties and payments constituting the "Orphans' Fund," distinguishing the amount of each duty or payment—List, with date, of each improvement in the metropolis chargeable to the coal duties—Account of monies raised for public works executed, buildings erected, or street improvements effected out of the coal duties receivable by the Corporation in the character of trustees for administration or otherwise, since the same were made chargeable by Parliament for such purposes in 1766, distinguishing such as are situate within the City, without the City, and such as partake of a mixed character, with names of public bodies or person entrusted with execution of each—Charges for public improvements effected by the Corporation on the 4d. per ton coal duty in the period 1853-60—Income and expenditure in respect of improvements authorised to be effected by the Corporation to complete the improvements authorised to be made by the Clerkenwell Improvement Commissioners in the period 1853-60—Statement of monies raised by the Corporation, and still (Christmas, 1860) chargeable on its funds; showing statute, if any, under which raised—Acts of Common Council authorising loans—Forms of bonds used in raising loans—Lands unsold in connection with improvements undertaken by the Corporation—Chamberlain's accounts in respect of the produce and expenditure of the City's estate, 1859—Balance statement of the cash assets and liabilities of the Corporation on 31st December, 1859—Expenditure by the Corporation in each of the years 1858-60 (*a*) in reference to metropolitan and general purposes, irrespective of the City: (*b*) in reference to local government—Statement of various rates levied in the City of London and liberties in each of the years 1856-60.

Second report, with minutes of evidence and appendix. London, 1861. Folio, pp. iv., 242.

Contents of appendix, *inter alia*: Statements showing rateable value of property in each parish of Middlesex in January, 1861, with rates raised in each (i) from an ordinary county rate of $\frac{3}{4}$ d. in the £; and (ii) from a rate of $\frac{1}{4}$ d. in the £ raised under the Lunatic Asylums Act, 1853—Rental of the County of Middlesex as returned by the Overseers and amount in the £ assessed for County rate in each of the years 1829-60—Abstract of Middlesex County Treasurers' Accounts, 1859-60—Expenditure out of the Middlesex County Rates in respect of the several county establishments, 1860—Outstanding debt of the County of Middlesex at Christmas, 1860—Hanwell Lunatic Asylum: income and expenditure, 1860—Middlesex Lunatic Asylum, Colney Hatch: contract prices of the principal articles of consumption in each half year from 1st July, 1851, to 30th June, 1861, with weekly maintenance rates per patient during various periods—Amount of assessment to Middlesex County Rate in 1830, 1840, 1846, 1848, 1853 and 1858—Net annual value of property in Middlesex liable to rate in each parish in 1846, 1853, and 1858, and totals for each division—House of Correction, Coldbath Fields: terms of imprisonment of all prisoners committed, number of prisoners received who have been sentenced to penal servitude, and number of prisoners committed under summary convictions, in each of the years 1855-56 to 1859-60—House of Correction, Westminster: terms of imprisonment and sentences of prisoners (exclusive of prisoners sentenced to penal servitude), and offences for which male prisoners were committed in each of the years 1857-58 to 1859-60—Number of prisoners sent for trial to various sessions and assizes in Kent, Essex, Surrey and Hertford, from 1st January,

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1860 to 30th April, 1861, for having committed offences within the Metropolitan Police district beyond the jurisdiction of the Central Criminal Court—Rateable annual value of property in each parish, etc., in the metropolis as per county rate assessment or like estimate in each of the years 1856-61—Acreage of the parishes and districts in the metropolis as defined by the Metropolis Local Management Act, with acreage of that portion of each covered by the River Thames—Return of amounts paid for metropolitan stage carriages, and for stage carriages in the rest of England, and amount paid for hackney carriage duty for year ended 31st March, 1861—Number of houses, public houses and other shops assessed to the House Tax within the metropolis, as defined by the Metropolis Local Management Act, 1855, and in the rest of Great Britain, and amount of the assessment for each class, for the year ended 1st. April, 1861—Rateable value, 1861, of London parishes, districts, etc.—Number of licences taken out by each proprietor of Metropolitan hackney carriages, from one licence and upwards; respective amounts received from the parties for licences; and respective amounts received for duty.

Third report; with proceedings. London, 1861. Folio, pp. xl.

Index to the three reports. London, 1861. Folio, pp. iv., 53.

——— Report from the select committee appointed to inquire and report whether it is expedient that the charges now locally imposed on the occupiers of rateable property should be divided between the owners and occupiers, and what changes in the constitution of the local bodies now administering rates should follow such division; with proceedings, minutes of evidence. London, 1870. Folio, pp. xxxiv., 348.

Contents of appendix, *inter alia*: Statement of Middlesex county expenditure for the year 1868, with reference to the printed account of expenditure for that year, distinguishing the amounts expended under statute, and over which the Quarter Sessions have no control, and the amounts expended over which the Quarter Sessions are supposed to have control—Return showing total amount of local taxation in the metropolis for the year ending March, 1867 (including the poor, county, and police rates, and the amounts made to meet the precepts of the Metropolitan Board of Works); total annual value of property in the metropolis according to the county and poor rate basis, with the rate in the £ on each of those rentals; also population, area in statute acres, and number of persons per acre, according to the last census (1861)—Local taxes now leviable in England and Wales beyond the metropolis.

——— Local Taxation Commission, 1896—First report of Her Majesty's Commissioners appointed to inquire into the present system under which taxation is raised for local purposes, and report whether all kinds of real and personal property contribute equitably to such taxation, and, if not, what alterations in the law are desirable in order to secure that result.—Local rates in England and Wales: valuation and collection. London, 1899. Folio, pp. 62.

Contents: Introductory—History of the law affecting valuation—System of valuation for the purposes of the poor rate and the collection thereof—System of valuation for the purposes of the county rate and the collection thereof—System of valuation for the purposes of the borough rate and the collection thereof—System of valuation and collection of rates in the County of London—System of valuation for the purposes of the Income Tax (Schedule A) and Inhabited House Duty—System of valuation for the

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purposes of the Land Tax—Objections to the present system of valuation outside the County of London—Objections to the present system of valuation in the County of London—Attempts made to improve the system of valuation—Objections to the present system of the collection of rates—Attempts made to improve the system of collection—Suggested areas for the purposes of valuation—Recommendations.

Contents of appendix to report, *inter alia*: Tables showing, as regards population and rateable value, the relation of poor law unions to counties and boroughs in England and Wales—Statements of certain witnesses referring to the disadvantages of the existing systems of valuation and collection—Chronological index to Acts of Parliament and list of cases referred to in the report.

Second report.—Valuation and rating in respect of tithe rent charge. London, 1899. Folio, pp. 38.

Contents: Origin of tithes—Statutory liability of the incumbent to be assessed to the poor rate—Assessment of tithes from 1601 to 1840—Object of the Tithe Act, 1836, and its effect upon incumbents—Effect of the Parochial Assessments Act, 1836, upon incumbents—Practice and method of assessing tithe rentcharge from 1840 to 1858—Effect of the Poor Rate Exemption Act, 1849, upon incumbents—Position of incumbents after 1836—Practice and method of assessing tithe rentcharge after 1858—Imposition of rates for new purposes since the Tithe Act, 1836—Exemptions made by the legislature in favour of tithe and tithe rentcharge—Effect of the Agricultural Rates Act, 1896, on titheowners—Claims put forward on behalf of incumbents for alterations in the system of valuing tithe rentcharge—Pressure of the present law upon incumbents—Conclusions—Chronological index to Acts of Parliament and list of cases referred to in the report.

Minutes of evidence taken, Vol. I. (1st to 29th days); with index. London, 1898. Folio, pp. viii., 513.

Appendix to minutes of evidence, Vol. I. Part I.—Memoranda prepared by witnesses representing certain government departments. London, 1898. Folio, pp. xii., 325.

Contents:—

Memorandum by Local Government Board (England): Statement as to the statutory provisions relating to the general principles and machinery of valuation for assessment to local rates, and the properties which are assessed to such rates in England and Wales—Statement showing with respect to local rates in England and Wales the several rates leviable, the purpose for which they are raised, the local authorities who expend them, the properties which are assessed to them, whether the rates are paid by the owners or occupiers, and whether they are raised on the full annual value of the properties, and, if not, on what portion of such value, and after what deductions, if any—Statement showing the purposes for which new or additional local taxation has been authorised by Parliament to be raised in England and Wales, since the year 1869.

Memorandum on the valuation and rating systems of Scotland by the Scottish Office.

Memorandum on local taxation in Ireland by the Local Government Board for Ireland.

Memorandum on the statutory provisions in force in Ireland relating to the general principles and machinery of valuation for rating purposes by the Commissioner of Valuation for Ireland.

Memorandum on the valuation of railways, canals, tramways, water-works, etc., in Scotland, by the Assessor of Railways and Canals for Scotland.

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Appendix to minutes of evidence, Vol. I. Part II.—Memoranda prepared and papers handed in by witnesses other than those representing government departments. London, 1898. Folio, pp. xiv., 382.

Contents: Memoranda by the Town Clerks of Kingston-upon-Hull, Blackburn, St. Helens, Plymouth and Tunbridge Wells representing the Association of Municipal Corporations—Statement prepared by Sir H. B. Poland—Memorandum by the Secretary to the Mining Association of Great Britain—Report of the Committee on Local Taxation to the Norfolk Chamber of Agriculture—Memorandum on behalf of the Norfolk Chamber of Agriculture—Paper by the Clerk to the Board of Guardians of West Derby Union, Lanes.—Paper on behalf of the Machinery Users' Association—Paper by the Clerk to the Board of Guardians and to the Assessment Committee of Glanford Brigg Union, Lincs.—Report of the Committee appointed to report as to what steps are necessary to protect the interests of various branches of trade in view of the increased assessments of local authorities for rating purposes, and the anomalous conditions under which assessments are made, to the Council of the London Chamber of Commerce—Memorandum by the Clerk to the Assessment Committee of the Sanford Union, Suffolk—Table by the Rector of Lasham, representing the Parliamentary Committee of the Diocese of Winchester—Memorandum by the County Councils Association—Memoranda by the Clerks of the County Councils of Lancaster and East and West Sussex, representing the County Councils Association—Memorandum by the Town Clerk of Dover, representing the Association of Municipal Corporations—Memorandum by the Treasurer of Bolton—Memorandum by the Clerk to the Assessment Committee of Cardiff Union, Glamorgan—Tables by the President of the Union and Rural District Clerks' Association—Memorandum by the Secretary and Solicitor to the Tithe Rentcharge Owners' Union—Memorandum by the Vicar of High Easter, Chelmsford, Essex, representing the Tithe Rentcharge Owners' Union—Papers relating to the rateability and assessment of tithe rentcharge by the Vicar of Portslade, near Brighton—Memorandum by the Statistical Officer of the London County Council—Memorandum on behalf of the Commercial and other gas companies—Memorandum by the Chairman of the South Metropolitan Gas Company—Memorandum by the Secretary to the Southampton Gas Light and Coke Company—Memorandum by the Secretary of the Lambeth Waterworks Company—Memorandum by Captain E. G. Pretyman, on behalf of the Local Taxation Committee—Tables by the Town Clerk of Walsall—Memorandum by Mr. R. H. Rew, Secretary of the Central Chamber of Agriculture and of the Local Taxation Committee, and late an Assistant Commissioner of the Royal Commission on Agriculture—Memorandum on behalf of the Church Committee in the House of Commons—Papers by the Secretary to the Ecclesiastical Commission—Memorandum by the Rating Agents to the Great Western, Midland and London and North Western Railway Companies, representing the Railway Companies Association—Points upon which Clerks to certain poor law unions were asked to give information to the Commission.

Minutes of evidence taken, Vol. II. (30th to 36th and 43rd to 49th days); with index and appendix. London, 1899. Folio, pp. iv., 352.

Contents of appendix: Memoranda by the Assistant Valuer and Statistical Officer of the London County Council—Memoranda by the Vestry Clerks of Islington and Kensington—Memoranda by Mr. W. H. Warner, of Messrs. Lofts and Warner, estate agents and surveyors—Resolutions of the London School Board, handed in on behalf of that body by Sir Charles Elliott, Mr. H. Morgan-Browne and Mr. T. J. Macnamara—Memoranda by Mr. H. Morgan-Browne and Mr. T. J. Macnamara, members of the London School Board—Memorandum by the Vestry Clerk of Camberwell—Memorandum

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by the Clerk to the Wandsworth District Board of Works—Memorandum by Mr. B. F. C. Costelloe, on behalf of the London County Council—Memoranda by Messrs. E. V. Huxtable, W. H. Wagstaff and Walter Barnett, on behalf of the Corporation of London and the City Rating Authorities—Table showing as regards certain benefices in England and Wales, gross income from all sources, outgoings, net income, rateable value upon which rates were paid, and percentage of rates to net income for the year 1897-98—Statement showing for the year 1896 gross income from all sources (excluding the value of the parsonage house) and the outgoings of certain benefices where the rates, curates' stipends, or other necessary outgoings reduce the gross income to a small amount—Amount of tithe rent charge in England and Wales—Points upon which clerks to certain valuation and rating authorities in the metropolis were asked to give information to the Commission.

Loch (C. S.) Charities register and digest, being a classified register of charities in or available for the metropolis, together with a digest of information respecting the legal, voluntary, and other means for the prevention and relief of distress and the improvement of the condition of the poor. London, 1890. 8vo, pp. excix., 976.

Contents: Introduction—Charity Organisation Society—Relief in affliction—Relief in sickness—Relief in distress—Reformatory relief—Miscellaneous—Spiritual institutions—Local charities, poor law, etc.—Benevolent institution—Friendly societies—Trade societies—Registry offices—Savings banks—Index.

The same—London, 1895. 8vo, pp. cciv., 1010.

The same—London, 1898. 8vo, pp. clxxxii., 711.

Lockie (John) Topography of London; giving a concise local description of, and accurate direction to, every square, street, lane, court, dock, wharf, inn, public office, etc., in the metropolis and its environs, including the new buildings to the present time, upon a plan never hitherto attempted; the whole alphabetically arranged. Second edition. London, 1813. 12mo, not paged.

The book is accompanied by a map of London and its environs, dated 1814.

Locomotives on Roads. Report from select committee appointed to enquire into the effect of the use of locomotive engines on turnpike and other public roads, and as to the limitations and restrictions which ought to be imposed by law on their use upon such roads for securing the public safety and protecting the public interests; with proceedings, minutes of evidence, appendix, and index. London, 1873. Folio, pp. xxiv., 215.

Loftie (Rev. W. J.) Memorials of the Savoy: the palace, the hospital, the chapel. London, 1878. 8vo, pp. ix., 267.

Contents, *inter alia*: Origin of the Savoy—Ancient limits of Westminster and the Savoy—Strand—Manor house—Destruction of the Savoy—Savoy settled on the Crown—Hospital—End of the Hospital—Savoy in 1739—Chapel.

Appendix (consisting of original texts of grants and other deeds)—Index.

Illustrations, etc.: Old Savoy—Ruins of the barrack and prison—Hospital in 1560—Plan of Savoy precinct in 1736—Chapel Tower in 1787—Map of the Savoy liberty 1830—Chapel and prison.

Loftie (Rev. W. J.)

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—— *A History of London.* London, 1883. 8vo, 2 vol.

Contents :

Vol. I. (pp. xx., 447) : Site of London—Roman London—Saxon London—London after the Conquest—Struggle for liberty—Rise of the companies—Wards and companies—Bishop—York and Lancaster in London—Shakespeare's London—War, Plague, and Fire—Wren—Bank—Corporation.

Vol. II. (pp. viii., 419) : Middlesex—Westminster—Hamlets of Westminster—Parks and Palaces—Tower and Tower Hamlets—Northern suburbs—Western suburbs—Southern suburbs—"Metropolitan area." Appendices : Calendar of the mayors and sheriffs of London from 1189 to 1882—Members of Parliament for the City of London, 1284-1880—Parishes in London—Wren's churches and other public buildings in the City—Prebendal manors of St. Paul's—Note on wards and parishes—Members of Parliament for Westminster City—Members of Parliament for Southwark—Members of Parliament for Middlesex—Index to the two volumes.

Maps, etc.,

Vol. I. : London before the houses—West Bourne, Ty Bourne, and Hole Bourne and Fleet—Roman London—Saxon London—London in the thirteenth century—London in wards and parishes—St. Paul's before 1561—St. Faith under St. Paul—Interior of St. Paul's choir—Southern aspect of St. Paul's—Entrance to St. Paul's choir—Entrance to Guildhall—London in 1604, by Ryther of Amsterdam—London and Westminster, showing the forts erected by order of Parliament in 1643—Temple Gate—London from the north in 1665—London after the Fire of 1666—Wren's plan for rebuilding the City of London—Bow Steeple—St. Magnus—St. Stephen, Wallbrook—London Bridge before 1561—Lord Mayor Crosby's cup.

Vol. II. : Tower in 1553—Hundreds of Middlesex about 1756—Westminster in 1658—Benedictine Abbey of Westminster—Westminster Hall in the eighteenth century—York Gate—City and Liberties of Westminster—Manor of Stepney—Northern suburbs—Western suburbs—Marylebone estate in 1708—Southern suburbs—London and the suburbs, showing the area built upon at different dates—Parish of St. Peter Cheap—Cheap after the Conquest.

—— *Kensington, picturesque and historical.* London, 1888. 4to. pp. xix., 287. Illustrations, maps, etc.

Contents : Geography of Kensington—The Veres and the Manor—Holland House—Old Kensington—Kensington Palace and Kensington Gardens—Church of St. Mary Abbots—Modern Kensington.

—— *London City : its history, streets, traffic, buildings, people ; illustrated by W. Luker, from original drawings.* London, 1891. Large 4to, pp. xvi., 377.

Contents : Origin of the City—Growth of the City—City government—Commerce—Churches—City as it is.

—— *London.* [Historic towns series.] Third edition. London, 1892. 8vo, pp. x., 223. 3 maps.

Contents : London before Alfred—Portreeves—Mayors—Wardens—Municipality—London and Middlesex—The Church in London—London trade—London and the Kingdom—Index.

Maps : London about the year 1300—Roman London—Ward of Castle Baynard.

—— *Inns of Court and Chancery.* London, 1895. 8vo, pp. xi., 302. Illustrations.

Contents : Site—Chapels—Inner Temple—Middle Temple—Lincoln's Inn—Gray's Inn—Inns of Chancery.

London [A view of] Lunden [from the Tower to St. Paul's.] [Anonymus.] [London], 1623. Size, $12\frac{1}{2}$ by $4\frac{1}{2}$ inches.

—— City Law, or the course and practice in all manner of juridicall proceedings in the Hustings in Guildhall, London; Englished out of an ancient French manuscript; also, an alphabet of all the offices disposed and given by the Lord Mayors of London. [Anonymus.] London, 1647. Small 4to. pp. [viii.], 69.

—— City Law, shewing the customs, franchises, liberties, privileges and immunities of the famous city of London, together with the names, natures, kinds, jurisdictions, powers and proceedings of the several courts within the same, as also the titles, qualities, advantages, and profits of the severall officers and offices in London; and in whose dispose those offices are. [Anonymus.] London. 1658. 16mo, pp. [viii.], 127.

—— A plan of London and Westminster, showing the forts erected by order of the Parliament in 1643 and the desolation by the fire in 1666. [Anonymus.] No scale given. Size, $9\frac{3}{4}$ by 8 inches.

—— A true and faithful account of the several informations exhibited to the honourable committee appointed by the Parliament to inquire into the late dreadful burning of the City of London, together with other informations touching the insolency of popish priests and jesuites; and the increase of popery brought to the honourable committee appointed by the Parliament for that purpose. [London], 1667. 8vo, pp. 35.

—— Lex Londinensis, or the City law, showing the powers, customs and practice of all the several courts belonging to the famous City of London, together with several Acts of Common Council, and also a method for the ministers within the said City to recover their tithes. [Anonymus.] London, 1680. 8vo., pp. [vii.], 271.

Contents: Lord Mayor's court—Orphans' court—Court of Hustings—Court of Common Council—Court of Aldermen—Wardmotes—Courts of Conservacy for the river of Thames—Court of Conscience—Sheriffs' court—Chamberlain's court—Index.

—— The pleadings, arguments, and other proceedings in the Court of King's Bench upon the *quo warranto*, touching the charter of the City of London, with the judgement entred thereupon. [Anonymus.] London, 1696. Folio, pp. [iv.], 35, 22, 55, 126.

—— A new view of London; or, an ample account of that city, in two volumes or eight sections, being a more particular description thereof than has hitherto been known to be published of any city in the world. [Anonymus.] London, 1708. 8vo, 2 vol. pp. [xxxi], xlii., 824 (two vols. continuously pagged). 5 plates.

Contents: Index to the founders, patrons, incumbents, benefactors, lecturers, and remarkable passages—Index to the monuments, cenotaphs, etc., inscriptions, epitaphs, arms, except the arms of companies—Introduction

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concerning London in general: its antiquity, magnitude, walls and gates, number of houses, inhabitants, fighting men: its riches, strength, franchises, etc.—Streets, squares, lanes, markets, courts, alleys, rows, rents, yards, and inns, in London, Westminster and Southwark: alphabetically shewing their names, derivation, quality of building and inhabitants, dimensions, bearing, and distance from Charing-cross: with many other remarkable passages—An account of the churches in London, Westminster and Southwark: shewing their situation; their names: foundation; orders of building; ornaments: dimensions of the churches, steeples, and number of bells; benefactors; monuments and tombs described, with their epitaphs, inscriptions, mottoes, arms, &c.; the nature and value of the livings and tythes, and what rated in the Queen's Books: with the names of the patrons, impropiators, rectors, vicars, lecturers, hours of prayer, organs: also the number of ward and parish officers, the contents or bounds of each parish, and number of houses therein—Alphabetical account of Companies and their Halls and of Guildhall, Exchanges, East India, African, and Trinity Houses and companies, Custom House, Leaden Hall, Bank of England, etc.—Queen's Palaces, eminent houses of the nobility, etc.. Houses of Lords and Commons, and the Tower of London, Westminster Hall, Hicks's Hall, and Justice Halls, etc.—Alphabetical account of the colleges, libraries, museums of rarities, free schools, Inns of Court and Chancery, Courts of Judicature, etc., offices of law, and others—Hospitals, prisons, workhouses, and houses of correction, almshouses and charity schools within the cities of London, Westminster, and Southwark, in alphabetical order, by the places, as streets, etc., of their situation—Fountains, bridges, conduits, ferries, docks, keys, wharfs, plying-places for boats and their distances from London-Bridge, waters, lights, insurances of all kinds, bagnios, baths hot and cold—Alphabetical account of the publick statues in and about the City—Explanation of the terms of art used in this treatise—Supplement (corrections and additions).

Plates: City of London arms—London, Westminster and Southwark, 1600 (circa)—London, Westminster and Southwark, 1707—Arms of the twelve City Companies—Arms of the minor City Companies.

— New remarks of London, or a survey of the cities of London and Westminster, of Southwark and part of Middlesex and Surrey, within the circumference of the bills of mortality; collected by the Company of Parish Clerks. London, 1732. 12mo, pp. viii., 411.

This consists, in the first place, of an account of each parish and parish church (giving derivations of names, boundaries of parishes, numbers of houses, etc.). Then follows an alphabetical table of all the streets, etc., within the bills of mortality, with a reference to the liberty in which it is situate. An appendix contains a list of the Inns of Court and Chancery, with the courts, etc., therein. Sundry additional information is given.

— Urbium Londini et Westmonasterii nec non Suburbii Southwark. [Anonymous] Nüremberg, 1736. Scale, $9\frac{3}{4}$ inches to the mile. Size, 59 by $20\frac{1}{2}$ inches.

— A new and compleat survey of London; by a citizen and native of London. London, 1742. 8vo, 2 vol., pp. [vii.], 1257, 7 (index) (two vols. continuously paged). Map.

Contents: All the publick transactions and memorable events that have happened to the citizens from its foundation to the year 1742—A particular description of the thirteen wards on the east of Walbrook—Of the twelve wards on the west of Walbrook—A political account of London: parallels between this and the most celebrated cities of antiquity, as well as the modern great cities of Europe, Asia, and Africa—An historical account of the city governments, ecclesiastical, civil and military—A full account of the

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great and extensive commerce of the city; and of the several incorporations of the arts and mysteries of the citizens—Of the present state of learning in this city—History and antiquities of Westminster: its government, ecclesiastical and civil—Of the several parishes and liberties in the County of Middlesex, within the Bill of Mortality—Of the Borough of Southwark and places contiguous in the County of Surry.

Map: London, 1742.

—— London and its environs described, containing an account of whatever is most remarkable for grandeur, elegance, curiosity or use in the city and in the country twenty miles round it; comprehending also whatever is most material in the history and antiquities of this great metropolis. [Anonymous.] London, 1761. 8vo, 6 vols. Plates.

The description is arranged alphabetically throughout the six volumes under the names of streets, churches, etc. An interesting feature is the means adopted for showing briefly the derivation of the names of the streets, viz., by the use of six symbols which, according to a table in the front of the first volume, indicate respectively those derived (i.) from the ground landlord, who built the street, lane or alley, etc.; (ii.) from signs; (iii.) from neighbouring places, as churches, etc.; (iv.) from trees formerly growing there; (v.) from ridicule; (vi.) from their situation, as backwards, forwards, with respect to other streets.

Plates, *inter alia*:

Vol. I. (pp. [ix.], 314: 14 plates): Westminster Abbey—Shakespear's monument—Captain Cornwall's monument—Henry VII.'s chapel—Admiralty—Bank—Banqueting House, Whitehall—St. Bartholomew Hospital—Bethlem Hospital and London Bridge (1 plate)—Figures on Bethlem Gate—Sir Gregory Page's seat, Blackheath—Bedford House, Bloomsbury Square.

Vol. II. (pp. [iv.], 352: 19 plates): British Museum—Plan of the British Museum—Burlington House, Piccadilly—Chelsea Hospital—Chiswick House—Christ's Church Hospital—House of Commons and entrance to the House of Lords—Covent Garden—Custom House, Thames Street—Devonshire House, Piccadilly—St. Dunstan in the East—East India House—Foundling Hospital.

Vol. III. (pp. [iv.], 328: 14 plates): St. George, Bloomsbury—Gray's Inn—Greenwich Hospital—Gresham College—Guildhall—Gunnersbury House—Guy's Hospital—Hampton Court—St. James' Palace—Kensington Palace—Lambeth Palace—Lincoln's Inn.

Vol. IV. (pp. [iv.], 355: 5 plates): Houses in Lincoln's Inn Fields—Mansion House—Marlborough House—Bow Steeple—Part of the Mews and St. Martin's Church.

Vol. V. (pp. [vi.], 348: 9 plates): Monument—Northumberland House, Charing Cross—St. Paul's—College of Physicians—Royal Exchange.

Vol. VI. (pp. [iv.], 376: 17 plates): Somerset House—St. Stephen's, Walbrook—Temple Bar—York Stairs—St. Thomas' Hospital—The Tower—Treasury and Horse Guards—Westminster Bridge—Westminster Hall—Gate of old Palace of Whitehall.

—— Laws and customs, rights, liberties and privileges of the City of London. [Anonymous.] London, 1765. 8vo, pp. xix., 315, (xii.).

—— List of the by-laws of the City of London, unrepealed. [Anonymous.] London, 1769. 8vo, pp. 134. Index.

The by-laws are arranged chronologically, dating from 16 Edward III.

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- Plan of London, with its modern improvements. [Anonymous.] London, 1814. Scale, $3\frac{1}{2}$ inches to the mile. Size, $22\frac{1}{2}$ by $13\frac{1}{2}$ inches.
- The picture of London for 1817: being a correct guide to all the curiosities, amusements, exhibitions, public establishments, and remarkable objects, in and near London; with a collection of appropriate tables, two large maps, and various other engravings. [Anonymous.] Eighteenth edition. London, 1816. 12mo, pp. xx., 340.
- London parishes: containing the situation, antiquity and re-building of the churches within the bills of mortality. [Anonymous.] London, 1824. 8vo, pp. 156.
- The public edifices of the British metropolis with historical and descriptive accounts of the different buildings. [Anonymous.] London, 1825. Large 4to, pp. 22. 21 plates.
- Plates: Front of Cathedral of St. Paul—Side view of Cathedral of St. Paul—Interior of Cathedral of St. Paul—Henry VII.'s Chapel, Westminster Abbey—Westminster Abbey—Interior of Westminster Abbey—Interior of St. Stephen's, Walbrook—St. George's Church, Hanover Square—St. Paul's, Covent Garden—West front of St. Martin's Church—Queen's Palace or Buckingham House—Horse Guards—Carlton Palace—Banqueting House, Whitehall—Somerset House, Strand—Pantheon, Oxford Street—Bank of England—Royal Exchange—Blackfriars Bridge—Westminster Bridge—Monument.
- Pictorial half-hours of London topography. [Edited by C. Knight.] London, [1851.] 4to, pp. 233.
- Contents: Parks—Gardens—Royal Palaces—New palace of Westminster—Government departments—Tower—St. Paul's Cathedral—Westminster Abbey—Asylums—Schools—Medical and surgical hospitals—Lunatic asylums—Learned societies—Churches of the metropolis—Inns of Court and Chancery—Doctors Commons—Lambeth palace—Port of London—Bridges—Docks—Thames tunnel—London Companies and their halls—Royal Exchange—Banks—Stock Exchange—Guildhall and Mansion house—Law courts and prisons—British Museum—Exhibitions of Art—Markets—Clubs—Theatres—Railway stations.
- The register of persons entitled to vote in the election of members of parliament for the City of London, as freemen of such City, being liverymen of the several companies thereof, and as inhabitant householders of such City. London, 1855. 8vo, pp. 566.
- The first part is arranged in alphabetical order of trades: the second, in alphabetical order of wards. The names of voters are, in each case, in alphabetical order.
- The little London Directory of 1677: the oldest printed list of the merchants and bankers of London, reprinted from the exceedingly rare original; with an introduction pointing out some of the most eminent merchants of the period. [Anonymous.] London, 1863. Small 8vo [unpaged].

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- Old London: papers read at the London Congress of the Archaeological Institute of Great Britain and Ireland, July, 1866. London, 1867. Svo, pp. xi., 376.

Contents:—

Preliminary address; by A. J. B. Beresford-Hope.

Archæology in its religious aspect; by Dean Stanley.

Some particulars concerning the military architecture of the Tower of London; by G. T. Clark.

The Chapter-house of Westminster; by George Gilbert Scott.

On the sculpture in Westminster Abbey; by Professor Westmacott.

Westminster Hall; by Edward Foss.

Public Record office; by Joseph Burt.

London and her election of Stephen; by Rev. J. R. Green.

Royal picture galleries; by George Scharf.

- Map of (being a supplement to *Land*). London, 1881. In 18 sheets, each measuring 19 by 12 $\frac{1}{2}$ inches. Scale, 9 inches to the mile.

- Suburban homes of London. A residential guide to favourite London localities, their society, celebrities and associations, with notes on their rental, rates and house accommodation. [Anonymous.] London, 1881. Svo, pp. x., 562.

- London Bridge** Chronicles of London Bridge, by an antiquary [i.e. R. Thomson]. London, 1827. Svo, pp. xvi., 687. 56 engravings.

Contents, *inter alia*: Acts of Parliament concerning the Bridge—Bridge property in various parishes—Blackfriars Bridge—Waterworks—Bridge House—Estate Committee—Ordinances for Butchers—Fire of London—Floods—Frosts and Frost Fairs—Offices and Officers of the Bridge—Pageants—Reports and plans for the improvement of the port of London—Southwark—Thames Fords and Ferries—Westminster Bridge—Vauxhall Bridge.

- A view of the northern approach while in a state of progress. Size by inches.

No author, date or place of publication.

- A professional survey of the old and new London Bridges, and their approaches, including historical memorials of both structures; with remarks on the probable effects of the changes in progress on the navigation of the Thames. [Anonymous.] London, 1831. Svo, pp. iv., 46. 14 plates.

The plates illustrate various aspects of the two bridges, both generally and in detail.

- Report from the select committee of the House of Lords on the London Bridge Bill; with proceedings, minutes of evidence, and appendix. London, 1879. Folio, pp. viii., 172.

Contents of appendix: Traffic over London Bridge hourly between 6 a.m. and 9 p.m. on Tuesday, 23rd May, 1865, Monday, 30th June, 1879, and Tuesday, 1st July, 1879—Traffic over Southwark Bridge hourly between 6 a.m. and 9 p.m. on Tuesday, 1st July, 1879—Summary of traffic returns over London Bridge during two consecutive weeks, except Sundays, which ended at midnight on Saturday, 30th January, and at midnight on Saturday,

London Bridge—*continued.*

5th February, 1875.—Summary of returns of the number of horses that fell, and also the number of stoppages of the carriageway traffic upon the bridge, and the causes of such stoppages, during the two consecutive weeks, except the Sundays, which ended at midnight on Saturday, 30th January, and at midnight on Saturday, 6th February, 1875.—Table showing time taken by a handsome cab in crossing London Bridge, between King William statue and the steps leading to river on south side between 3.51 and 4.23 p.m. on Thursday, 10th July, 1879 (?)—Table showing time occupied by omnibuses in going from the statue of William IV., in King William Street to the Clock Tower, in Wellington Street, over London Bridge, and *vice versa* on Monday, 15th June, 1863.

London Chamber of Commerce Annual reports (first to seventh) of the Council to the members of the Chamber, 1882–88. London, 1883–89. 8vo, 7 vol.

Statistical sections containing numerous tables of London interest are appended to the first six reports. Among the subjects treated of are the following: Coal and coke brought into London by railway, canal and road, and by sea—Trade of the port—London wool sales—Receipts from City of London Corporation coal and grain dues—Consumption of timber in London—Loans raised by the City Corporation and stock issued by Metropolitan Board of Works—Loans outstanding by London local authorities for various purposes and accounts of local authorities—City markets' accounts—Metropolitan rating—London School Board rating and accounts—Statistics of pauperism and poor law accounts—Proceedings in City of London Court—Adulteration of food—Gas and water supply statistics—Gas, water and tramway companies' accounts—Amounts cleared at London bankers' clearing house—Bank of England rate of discount—Coinage at the Mint—Price of consols—Metropolitan fires—Post office statistics—Population of City wards according to day census and imperial census compared—Prices of various metals in the London market—Police statistics—Imports and exports of the Port of London—Capitals of London banks—Gross value of City parishes—London General Omnibus Company—Passengers carried on Metropolitan Railway—Staff of Metropolitan Fire Brigade—Customs receipts at the port—Comparisons of occupations of persons in England and Wales and London.

London, City of, Directory, 1901. London, 1901. 8vo, pp. 1222.

—— Minutes of proceedings in the matter of charities relating to poor prisoners in the several gaols of the City of London, 1852. London, 1867. 8vo, pp. viii., 251.

London City Livery Companies, The Royal Commission; London City Livery Companies' vindication. [Anonymous.] London, 1885. 8vo, pp. viii., 306.

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—— Ceremonials to be observed by the Lord Mayor, aldermen, sheriffs, and officers of the City of London. London, 1845. Folio, pp. xvi., 111.

—— City of London sewers. Reports by James Walker, William Cubitt, and Isambard K. Brunel, addressed to the City Remembrancer. [London, 1848.] 4to, pp. 43. 3 plates.

London, Corporation of the City of —continued.

—— The Chamberlain . . . in account with the Corporation . . . in respect of the City's estate: and in respect of various public and trust funds in the Chamber of London, 1850 to 1900. London, 1851-1901. Folio, (*continuing*).

—— Memoranda, references and documents relating to the Royal Hospitals of the City of London, prepared and printed under the directions of the Committee of the Court of Common Council appointed in relation to the said Hospitals. London, 1863. 8vo, pp. viii., 157.

The memoranda consist of an account of the foundation of St. Bartholomew's, Christ's, St. Thomas', Bethlem and Bridewell Hospitals, and the regulations which have been made from time to time for their control and management.

—— Memoranda relating to the Royal Hospitals—supplement, consisting of original documents from the Record Office, British Museum, Privy Council, Archives of the City, etc. London, 1867. 8vo, pp. viii., 118.

The supplement consists of various information, brought to light since the publication of the memoranda (*vide supra*), relating to the Royal Hospitals.

—— Catalogue of sculpture, paintings, engravings, and other works of art belonging to the Corporation of London, together with books not included in the catalogue of the Guildhall library. London, 1867-68. 8vo, 2 vol. Indexes.

Vol. I., 1867. Pp. 93. Works of art.

Vol. II., 1868. Pp. 435. Prints.

—— Classified catalogue of the circulating portion of the library of the Corporation of London. [London], 1863. 8vo., pp. vi., 154. Index.

—— Report of Mr. Hawksley on proposed regulations of water companies for constant supply. [London], 1872. 8vo, pp. 7.

[A pamphlet bound up with others in volume, *Water supply*, 1871-77. *See Water*.]

—— Reports from the Gas and Water Committee on water supply at fires. London, 1874-77. Folio. Five reports in one vol.

The five reports are as follows: Supply of water in case of fire—Supply of water to hydrants for the extinction of fires—Supply of water for extinction of fire and street washing—Fire hydrants.

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London, Corporation of the City of —continued.

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Contents: Report of Committee—*modus operandi* employed—Dates of census-taking and enumeration of street traffic—Scope, extent, and manner of the house-to-house enumeration—Numbers of enumeration forms in 1866 and 1881—Results of the house-to-house census—Occupations in the City—Summary of employers, employed, women and children—Scope, extent, and results of enumeration of passenger and vehicular traffic; or of persons resorting to the City daily—Night population—Day population—Relative position of City to other districts of the metropolis in respect of population and rateable value—Population of Parliamentary boroughs in metropolis—Relative position of City to certain counties and incorporated cities in England and Wales in respect of population—Number of inhabited houses—Relative position of City to rest of London in respect of inhabited houses and to certain incorporated cities in respect of rateable value—Fiscal positions of City and metropolis—Customs duties paid in London and in all other ports of the Empire compared—Relative fiscal position of City to certain incorporated cities—Schedule A, being forms used in taking census—Schedule B, being an analytical classification of trades, profession, and employments—Schedule C, being particulars of a census taken in the City, 1631—General index. There is a folding map of the City and liberties, showing the inlets to the City at which the enumeration of the passenger and vehicular traffic took place.

——— Catalogue of the Guildhall Library of the City of London. London, 1889. Large 8vo, pp. 1137.

——— Ten years growth of the City of London. Report to the Local Government and Taxation Committee of the Corporation, with the results of the day census, 1891. London, 1891. 8vo, pp. 139. Map.

Similar information is given to that in the 1881 report (*vide supra*) but contains, in addition, the following: Past enumerations of the population of the City—Comparative statement (1881 and 1891) of passenger and vehicular traffic—Forecasts as to the City—Coal dues—"Old London"—Facsimiles of the bills of mortality.

——— Royal Commission on London Government: statement as to the origin, position, powers, duties and finance of the Corporation of London. London, 1893. Folio, pp. iv., 456.

Contents: Origin—Constitution—Charters—Mayor—Lord Mayor—Court of Mayor and Aldermen—Aldermen as justices—Grand Court of Wardmote—Court of Common Council—City wards; the wardmote—Common-hall—Sheriffs—Central Criminal Court—Quarter sessions—Southwark sessions—City Courts of Law (Lord Mayor's Court; Sheriffs' Court; City of London Court; Court of Hustings)—Chamber of London—Chamberlain's Court—Police—Committees—Bridges—Commissioners of Sewers—Irish Society—Officers—Lieutenancy—City of London Lunatic Asylum—Markets—Open spaces—Port of London sanitary authority—Thames pollution—Water—Gas—Railway rates and charges—Weights and measures—London Chamber of Arbitration—Guildhall library, museum and reading room—Guildhall Art Gallery—Educational institutions—Charitable institutions—Fellowship Porters—Day census of City—Analysis of rateable property and municipal

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representation in the City (1852 and 1893)—Appendices containing an account of the parliamentary work of the Corporation since 1881.

There is bound up with this a report, to be presented 10th January, 1895, to the Court of Common Council from the special committee on London Government: pp. 14.

——— Annual reports of the City Markets, 1892-97. London, 1893-98. Folio.

Contents: Billings-gate market—Cattle market—Central markets.

——— Reports by the medical officer for the City of London on the sanitary condition of the City of London for the years 1894 to 1899. London, 1895-1900. 8vo, (*continuing*).

London, Corporation of the City Commission, 1853 Report of the Commissioners appointed in 1853 to inquire into the existing state of the Corporation of the City of London, and to collect information respecting its constitution, order, and government, etc., with minutes of evidence, appendix, and index. London, 1854. Folio, pp. xxxviii., 1058.

Tables in the report, *inter alia*: An account of the revenue and expenditure of the Corporation of London, 1852 (pp. xxvii-xxx)—Number of houses and population in each of the metropolitan boroughs, 1851 (pp. xxxv.)

Tables in the body of the evidence, *inter alia*: An account of charities within the City of London in 1852 that are reported to have been misapplied or not applied (p. 61)—Accounts of Chamberlain and Comptroller contrasted, 1852 (p. 65)—Charges connected with the office of Lord Mayor, 1852 (p. 65)—Legal expenses, 1852 (p. 66)—Expenses in respect of the navigation barge and shallop, 1852 (p. 66)—Allowance to committees and sections of the Court of Common Council for summer excursions, 1852 (p. 66)—Beneficences, 1852 (p. 67)—Return of monies paid to the Chamberlain of the City of London by persons either nominated or elected to the office of Sheriff of London and Middlesex, 1800-52 (pp. 107-110)—Number of freemen made in each of the years, 1800-52, with amounts of fines and fees charged on them, and amounts annually paid to Government for Stamp Duty (p. 123)—Statement of the cost to the public, in the year 1833, of the officers and clerks of the London Corporation, in salaries, fees, and office allowances (p. 270)—Abstract of accounts of parish of St. Marylebone, 1852 (pp. 273-274)—An account, and in part an approximate estimate, of the sums collected for public and charitable objects by different local bodies within the City of London, 1852 (pp. 276-277)—Statement of further loans secured upon the prospective receipts of the Sd. Coal Duty (p. 279)—Expenses of each of the five Committees, City Lands, Bridge House, Navigation, Coal and Corn, General Purposes, in each of the years 1802-08 (p. 395)—Number of municipal electors in each ward of the City in 1814, 1849, 1850, and 1851, (p. 426)—Sheriff's Accounts, 1833-31 (pp. 464-468)—Scale of fees of Serjeant-at-Law, Lord Mayor's Court, 1853 (p. 612)—Sums charged upon the London Bridge Approaches Fund up to 5th January, 1853, for improvements in the metropolis, not within the City of London (p. 612)—Charges for public improvements effected by the Corporation on the coal duty of 4d. per ton, 1844-52 (p. 643)—Names of all persons holding office under the Corporation of London who have purchased their places, when purchased, of whom, for what consideration, and the annual income (p. 697).

Appendix, *inter alia*: Accounts of the Corporation of the City of London in detail for 1852—Statement showing area, number of inhabited houses, population in each decade since 1801, and assessment to poor rate in 1852, for each of the metropolitan districts.

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—— Annual accounts, 1889-90 to 1899-1900. London, 1891-1901. Folio, (*continuing*).

—— Annual reports of the proceedings of the Council, 1889 to 1900-01. London, 1890-1901. Folio, (*continuing*).

—— Reports on railway and other schemes of sessions 1890 to 1901. London, 1890-1901. 8vo, (*continuing*).

A collection of reports by the architect, engineer and Parliamentary agent of the council on various bills in Parliament affecting the administrative County of London.

—— Report to the Special Committee on Technical Education, being the result of an inquiry into the needs of London with regard to technical education, the existing provision for such education, and the best means to be taken by the London County Council for improving that provision, under the Technical Instruction Acts, 1889 and 1891, and the Local Taxation (Customs and Excise) Act, 1890; by H. Llewellyn Smith, secretary of the committee. London, 1892. Folio, pp. 184.

—— Precedents of assessments according to benefits, and the interception by charge upon property of a portion of the value added to such property by the expenditure of public money for improvements. London, 1893. Folio, pp., 62.

—— Special report of the Public Control Committee relative to existing markets and market rights, and as to the expediency of establishing new markets in or near the Administrative County of London. London, 1893. Folio, pp. 82.

—— Summary of evidence presented to the Royal Commission on Metropolitan Water Supply. Prepared by A. Bassett Hopkins, Esq., chairman of the Special Water Committee, 1893. 8vo, pp., x. 173.

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Contents:—

Memorandum on the Corporation of the City of London, and on the County of London, and the County of the City of London; by J. Kemp, Secretary of Special Committee. 1893, pp. 79.

Analysis of the accounts of the Corporation of the City of London, and the rating authorities (exclusive of poor law) within the City of London, for the four years 1889, 1890, 1891 and 1892; together with a memorandum on the expenditure of the Corporation, its revenues from estates, markets, etc., and its debt, and an estimate of the financial effect of unification; by G. L. Gomme, Statistical officer. 1893, pp. ii., xlv., 55.

Proposals for the amalgamation of the City and County of London. 1894, pp. 26.

Supplementary memorandum showing to what extent it is proposed to assimilate the government of London to that of a municipal borough, and why assimilation in all respects is not possible or desirable. [1893], pp. 8.

Memorandum upon the respective merits of the system of triennial election of the whole body and the system of annual election of one-third of the members of the body; by the Deputy Chairman of the Council. 1894, pp. 4.

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Estimate of the financial results to the ratepayers by alternative systems of dealing with the City Police under a scheme of unification of London government : by G. L. Gomme, Statistical officer. 1894, pp. 4.

Table comparing the Metropolitan and the City Police ; by J. Kemp, Secretary of Special Committee. 1894, pp. 9.

Detailed analysis of the expenditure of the City of London Corporation for the four years 1889-92 under the heads of : mayoralty ; state and civic ; Guildhall and other buildings ; receptions, honorary votes, and civic functions : Library, Museum and Art Gallery ; general establishment expenses : pensions to Civic officials ; pensions to School and Library officials : law and parliamentary ; donations : by G. L. Gomme, Statistical officer. 1894, pp. 21.

Analysis of the receipts and expenditure of the City markets on capital account and on revenue account, showing to what extent the markets of the City of London have been a source of profit or of loss to the Corporation during the thirty-eight years 1855 to 1892 ; by G. L. Gomme, Statistical officer. 1894, pp. vii., 44.

Return showing powers and expenses which run throughout the administrative county of London, and those which do not extend to the City of London. 1893. pp. iii., 60.

Statement as to the present powers and duties of the London County Council. [1893]. pp. 39.

Memorandum on the county of London and the county of the City of London. 1893. pp. 11.

Table showing the various branches of administrative work within the county of London carried on by the Council, the Vestries, the Commissioners of Baths and Washhouses, the Commissioners of Free Libraries, the Burial Boards ; by the Deputy Chairman. 1893. pp. 24.

—— London statistics : statistics printed by the London County Council during the years 1890-91 to 1899-1900, with an analysis of the statistics relating to London printed in the annual reports of vestries and district boards for the years 1890-91 to 1899-1900, and in parliamentary papers of the years 1890 to 1900. London, 1892-1901. Folio, (*continuing*).

—— Annual reports of the Medical Officer of Health of the Administrative County of London ; 1892 to 1900. London, 1893-1901. Folio, (*continuing*).

—— Annual reports of the Asylums Committee and the sub-committees of Baustead, Cane Hill, Claybury, Colney Hatch, and Hanwell asylums, 1889 to 1900-01. London, 1890-1901. 8vo and folio, (*continuing*).

—— Annual reports of the chief officer of the Public Control department, 1892 to 1900-01. London, 1893-1901. Folio, (*continuing*).

—— Report made to the Fire Brigade Committee of the London County Council by the chief officer of the Fire Brigade on the fires in London during the years 1889 to 1900. London, 1890-1901. 8vo and folio, (*continuing*).

—— Rating and expenditure per £100 rateable value, 1890-91 and 1895-96. London, 1894-97. Folio.

Contents : Return [by the statistical officer of the Council] showing the amount actually paid in rates, exclusive of garden and other semi-private rates by a person rated at £100 a year in every rating area of London : the

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amount of subventions in aid of rates received in respect of such ratepayer ; with an account in outline of the expenditure of this sum by the various local authorities, including the Metropolitan Police, for the year 1890-91. 1894, pp. xxi., 71.

Return [by the statistical officer of the Council] showing the amount of expenditure by local authorities in respect of each parish in the Administrative County of London in the year 1895-96, analysed according to the principal heads of charge ; the receipts in aid of such expenditure ; the alterations in the charge caused by the operation of the Common Poor Fund, the County grants, and the Equalisation Fund, and by the amount charged in respect of loss by empty properties and allowances ; and the resulting charge on rates and taxes ; *reduced to percentages of rateable value.* 1897, pp. xv., 173.

—— Annual reports of the Technical Education Board, 1893 to 1900-01. London, 1894-1901. Folio, (*continuing*)

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—— Locomotive service: return of services and routes by tramways, omnibuses, steamboats, railways and canals, in the County of London and in extra-London, together with an examination in detail of the present system of locomotive service and of the requirements to meet the needs of London.

In two parts. London, 1895-96. Folio.

Part I., 1895 (pp. iv., 199)—Tramways, omnibuses and steamboats.

Part II., 1896 (pp. 13 and folding diagram)—Amount of tramway and omnibus traffic over thoroughfares in the county.

—— Map of railways, existing and authorised, canals and navigations, tramway, omnibus and steamboat routes in the County of London, to accompany the above return.

—— Enactments as to London rating: return of the several Acts of Parliament which have from time to time been passed relating to parishes in the County of London. Part I.—County of London (outside the City). London, 1895. Folio, pp. 111, 298.

Contents: List of Acts of Parliament which have been passed from time to time relating to parishes in the present County of London—Rating clauses in the local Acts of Parliament relating to parishes in the present County of London.

—— London Technical Education Gazette, being the official circular of the Technical Education Board, 1895 to 1902. London, 1895-1902. Folio, (*continuing*).

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——— London Water Commission, 1897. London County Council statements. London, 1897-98. Folio.

Contents:—

Memorandum with reference to the letter of the Royal Commission to the Clerk of the Council of May 31st, 1897, and to the evidence to be submitted by the Council; by W. H. Dickinson, Chairman of the Water Committee. 1897, pp. 11.

Table showing the various subjects which require consideration in dealing with the question of the water supply of the metropolis. 1897, pp. 8.

Reports by the Comptroller, Statistical Officer, Medical Officer and Chemist as to the evidence and information on the London Water Supply to be submitted to the Royal Commission of 1897. 1897, pp. 6.

Heads of evidence of Mr. Henry Lawrence Cripps [Parliamentary Agent]. 1897, pp. 61.

Heads of proposed evidence by Sir Alexander R. Binnie, Chief Engineer. Part I. 1897, pp. 85.

Heads of proposed evidence by Sir Alexander R. Binnie, Chief Engineer. Part II, as to future water supply. 1897, pp. 28.

Synopsis of Sir Alexander R. Binnie's evidence given before the Royal Commission, with an appendix of statistical tables on London Water Supply. 1898, pp. iii. 87.

Heads of evidence of Mr. Harry Edwin Haward, Comptroller, to be submitted to the Royal Commission. 1897, pp. 59. 8 diagrams.

Synopsis of the Comptroller's evidence given before the Royal Commission, together with comments thereon by the Comptroller, and suggestions for the cross-examination of the companies' witnesses. 1898, pp. 9.

Report of the Statistical Officer to the Water Committee on the evidence under Sections C and E of the Committee's statement proposed to be given before the Royal Commission. 1897, pp. 2.

Heads of evidence of Mr. George Laurence Gomme, Statistical Officer, to be submitted to the Royal Commission. 1897, pp. ii. 127.

Heads of evidence on municipal water supplies to be given by Mr. George Laurence Gomme, Statistical Officer. 1898, pp. 2.

Synopsis of the evidence of the Statistical Officer, together with a memorandum under each head. 1898, pp. 42.

Statement of evidence to be given by Mr. Willoughby Hyett Dickinson, Chairman of the Water Committee, as to the general policy of the Council with respect to the water supply of London. 1897, pp. 50.

Heads of evidence of Sir Arthur Arnold. 1897, pp. 6.

——— Report of the special sub-committee of the Technical Education Board on commercial education. London, (1898). Folio, pp. xvii. 83.

——— Report of the special sub-committee of the Technical Education Board on the building trades. London, [1899]. Folio, pp. xii. 63.

London County Council (General Powers) Act, 1899 Minutes of evidence before the select committees of the House of Lords and House of Commons, with a copy of the Bill and Act. London, 1899. Folio, (separately pagged).

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——— Report of the Commissioners appointed to consider the proper conditions under which the amalgamation of the City and County of London can be effected, and to make

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specific and practical proposals for that purpose; together with maps illustrative of the report. London, 1894. Folio, pp. 31. 2 maps.

Maps : London areas of jurisdiction. 1894, showing the areas of the City of London, County of London, Administrative County of London (and School Board district), Poor Law (and, Registration) District, Metropolitan Police Courts District, Central Criminal Court District, and Metropolitan Police District—Map showing, for the County of London in 1894, the boundaries of Parishes, poor law unions, London County Council and Parliamentary electoral divisions, and local government areas.

Minutes of evidence; with digest and index. London, 1894. Folio, pp. vi., 620.

Tables in body of evidence, *inter alia* : Table showing the local authorities in London through and by whom the Council's levy of the County Rate is collected (pp. 47-48)—List of byelaws made by the Council with acts authorising their making (p. 57)—Expenditure out of the City's revenues on street improvements, public buildings, and educational and sanitary purposes for the benefit of the City and metropolis since 1850, separating the remunerative from the unremunerative expenditure, together with amounts expended during the same period for Royal, colonial and other receptions (pp. 225-226)—Tabular statement of authorities sharing the Government of London (pp. 612-618)—Tabular statement of qualifications of electors and candidates for different public offices, etc., in London (pp. 619-620).

Appendices; with index. London, 1894. Folio, pp. iv., 704.

Contents : Memorandum prepared at the Local Government Board showing in detail in what respects the City of London differs from the vestries in the metropolis in regard to the powers they respectively exercise, and the control of the County Council—Memorandum prepared and handed in by the legal adviser to the Local Government Board, showing the authorities sharing the government of London, their powers and duties—Statement handed in by the Town Clerk as to the origin, position, powers, duties and finance of the Corporation of London—Statement handed in by the Chairman as to the powers and duties of the Commissioners of Sewers of the City of London—Statement handed in by the Town Clerk of the City of London, containing the recommendations of the Royal Commissioners appointed to inquire into the state of the Corporation of the City of London in 1853-54; and observations of the corporation showing (as requested), to what extent, and in what manner (if at all) the various suggestions have been met—Return handed in by the deputy chairman of the London County Council, showing the powers and expenses which run throughout the administrative county of London, and those which do not extend to the City of London—Statement handed in by deputy chairman as to the present powers and duties of the London County Council—Memorandum handed in by the deputy chairman of the London County Council on the county of London and the county of the City of London—Table prepared and handed in by the deputy chairman of the London County Council, showing the various branches of administrative work within the county of London carried on by the following authorities; the Council, the vestries, the commissioners of baths and washhouses, the commissioners of free libraries, the burial boards—Memorandum on the corporation of the City of London, prepared by Mr. John Kemp, secretary of the special committee of the London County Council—Analysis of the accounts of the corporation of the City of London and the rating authorities (exclusive of poor law) within the City of London, for the four years 1889-92, together with a memorandum on the expenditure of the corporation, its revenues from estates, markets, etc., and its debt, and an

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[A pamphlet bound up with others in volume *London Traffic*, 1856-66 (q.v.).]

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Contents of appendix, *inter alia*: Abstract of statement of the conditions of the premises proposed for the London Docks—Statement of the exports and imports from and into the Port of London for every tenth year from 1700 to 1790, and for each of the years 1791-95—State of the mooring tiers and mooring chains in the river Thames from London Bridge to the Pool, with number of ships that ought and number that frequently do lie at them; also, statement of the chains at Limehouse and Deptford—Statement of ships that moor in the river at mooring chains and at their own anchors, afloat at low water—Account of the total number of ships, with their tonnage, that entered inward and cleared outwards at the Port of London.

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Contents of appendix, *inter alia*: Breadth of the river at different places between Hammersmith and Woolwich—Description of London Bridge—Detailed statement of expenditure upon repairs to Westminster and Blackfriars Bridges—Produce of the estates of the City of London called the Bridge House Estates, and application thereof, 1756-98—Produce of the toll received on Blackfriars Bridge, after deducting expense of collection, 1766-85—Account of the Sunday toll received on Blackfriars Bridge, 1786-99—Comparative statement of shipping belonging to the Port of London in 1732 and 1792—Total number of ships, with their tonnage, that entered inwards and cleared outwards at the Port of London, to and from foreign parts, in each of the years 1700, 1750, and 1790-8—Total number of ships, with their tonnage, including their repeated voyages, that entered inwards at the Port of London, from foreign parts, in each of the years 1792-98, distinguishing countries whence come, with principal articles of importation from each country—Number of ships that entered inwards at the Port of London laden, or chiefly laden with wine, tobacco, rum and sugar, corn, timber, deals, masts and spars, hemp and iron, pitch and tar, respectively, in each of the years 1792-98, distinguishing countries whence come—Total number and tonnage of ships which entered inwards and cleared outwards at the Port of London, to and from foreign parts, in the year 1798, distinguishing British and foreign ships, together with country to which they belonged, number of ships in each branch of trade, and their tonnage—Number of coasting vessels trading to the Port of London (i) in the year 1798 (ii) on the average, with their tonnage, distinguishing trades in which employed and distinguishing colliers from other coasters—Number of ships and vessels, with their tonnage, entered inwards and cleared outwards coastwise in each of the years 1700, 1750, and 1790-98—Aggregate number of craft in active service and navigation on the river—Number and tonnage of all lighters, hoys and craft using the Port—Tonnage of shipping, inwards and outwards,

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There is another edition of these plates which does not include Mr. Smeaton's three plans.

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— Report from Select Committee appointed to consider of such further measures as may be necessary for rendering more commodious, and for better regulating the Port of London; with appendix and plans. London, 1800. Large folio, pp. 543-603b, of *Reports from Committees of the House of Commons, 1793-1802*. 24 plates.

Contents of appendix, *inter alia*: Report of Mr. Mylne on the state of the river Thames and its bed, on the structure of London-bridge, and as to the navigation of the river above and below it—Depth of the river at low water in May, 1767, at every 100 feet distance (i) from Queenhithe to the Tower; (ii) from a shoal above London-bridge to another below—Measurements across the river in straight lines at London, Blackfriars and Westminster bridges, showing proportions of piers to arches—Soundings at London-bridge, 1767—Borings of the river between London-bridge and Blackfriars-bridge; performed between 19th May and 16th June, 1800, by John Foulds—Total number of ships, with their tonnage, that entered inwards and cleared outwards at the Port of London to and from foreign parts in the year 1799—Total number of ships, with their tonnage, including their repeated voyages, that entered inwards at the port from foreign parts in the year 1799, distinguishing countries whence come, with principal articles of importation from each country—Total number and tonnage of ships in the coasting trade entered inwards and cleared outwards at the port in the year 1799, distinguishing colliers from other vessels—Tonnage of shipping inwards and outwards, frequenting all the outports, in the year 1799—Mr. Dodd's account of London-bridge, with ideas for a new one, with wharfs, warehouses, &c.—Mr. Mylne's scheme for a new bridge—Messrs. Telford and Douglass' scheme for improving the Port of London, with estimates—Mr. Wilson's estimate or specification of a cast iron bridge over the Thames—Mr. Dance's designs for the improvement of London-bridge—Report of special committee to the Court of Common Council on building and completing Blackfriars-bridge, forming the embankment, and making the new Surrey roads, 1784—Final report of same committee, 1786—Abstract of accounts of the London-bridge Waterworks, 1780-1800—Account of net income of Bridge House Estates for five years ending Christmas, 1799, distinguishing respective amounts of rents, dividends, fines, and other articles constituting the said income—Statement of the Orphans' Fund, in order to shew by what time the present Orphans' Debt, amounting to £825,800 on the 5th July, 1800, will be paid off; and, provided a further sum of £200,000 at 5 per cent. should be charged thereon, what effect the said charge would have on the Fund—Report by Mr. Jessop on the effect of deepening and embanking the river Thames.

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— Report from Select Committee who were appointed to consider of such further measures as may be necessary for rendering more commodious and for better regulating the Port of London; with appendix and plans. London, 1801. Large folio, pp. 604–635 of *Reports from Committees of the House of Commons*, 1793–1802. 3 plates.

The appendix consists of answers by eminent engineers to questions put by the Committee respecting the construction of a cast iron bridge, designed by Messrs. Telford and Douglass, of a single arch, 600 feet in the span and 65 feet rise.

Plates: Messrs. Telford and Douglass' explanatory drawings—Elementary elevation of London new bridge as proposed by Mr. Southern—General Bentham's plan and elevation of a bridge designed to exemplify a mode of admitting ships to pass through it at all times without occasioning any interruption to the land communication over it.

— Report from Select Committee appointed to inquire into the state of the Port of London; with minutes of evidence, appendix and plans. London, 1836. Folio, pp. vi., 296. Appendix, pp. 296. 6 plans.

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Plans: River Thames, from Church-hole to Cuckold's-point, showing position of collier tiers (i.) according to the proposed bye-laws: (ii.) according to the proposed permanent moorings, by Charles Rowland, harbour master, 1836—Plan for mooring 163 colliers in the pools, preserving a passage for the transit of shipping of the width of 300 feet, presented to the Port of London Committee by Sir John Hall—Plan of a half-tier for mooring colliers in the lower pool according to Mr. Charles Rowland's plan—Soundings of the river opposite the King's-dockyard, Deptford, 1831, by Captain Bullock—Three plans of wherries.

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through particular agents, broker or factors : (xix.) the districts supplying articles sold in the markets, and whether any restriction exists in this respect ; (xx.) the extent, if any, to which market rights, bye-laws, regulations, tolls, rents, stallages, dues and tolls affecting the market town have been complained of as restrictive to trade ; (xxi.) complaints, if any, that the present accommodation offered by the markets is insufficient and unsuitable for the local trade ; (xxii.) the terms and conditions upon which the local authorities have leased the tolls and other rights, and the reasons which induced them to consider the arrangement of leasing desirable ; (xxiii.) the views of local authorities as to the expediency of placing restrictions on the sale outside the market buildings of goods that may be lawfully sold in the market ; (xxiv.) the views of the local authorities as to provision being made that the tolls and other rights of the markets held by them shall be from time to time revised, with a view to their being regulated by the necessary expenditure in connection with the markets, and that the markets shall be free and open when the capital charges in respect of them have been paid off by the incomes from the markets or otherwise, and whether in their opinion, a charge should be made for meeting the expenses of maintenance ; (xxv.) the alteration, if any, in the existing law relating to markets, considered desirable by local authorities ; (xxvi.) information similar to the above with regard to fairs.

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- Report by engineer on increased value of materials and labour used in the main drainage works since the year 1858. 1863. 8vo, pp. 24, and folding table.
- Report of the Main Drainage Committee on the evidence given before a committee of the House of Commons, on the sewage of the Metropolis, and some statements which have been made in the Metropolitan vestries and district boards in reference thereto. [1865 ?] 8vo, pp. 23.
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- Report by sub-committee on the same subject, and as to the present condition of the main drainage funds. 1868. 8vo, pp. 7, and plan separately.
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- Report . . . on a visit to the sewage works at Sheffield, and also a report . . . upon the sewage works at Bradford. 8vo, pp. 9.

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- Questions put to Mr. J. W. Bazalgette . . . by A. Wright, Esq., at a meeting of the Board held at Guildhall . . . on 2nd October, 1857, with Mr. Bazalgette's answers thereto. 1857. 8vo, pp. 14.
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- Letter from Alfred Austin, Esq., transmitting a further communication from Captain Galton and James Simpson, Esq., on the main drainage. 1858. 8vo, pp. 7.
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Drainage and Sewerage—*Main drainage generally—continued.*

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- Report of the deputation appointed by the Board to submit the plan of main intercepting drainage to the First Commissioner of Her Majesty's Works, &c., and letter from the Chairman of the Board to the First Commissioner, *etc.* 1858. 8vo, pp. 15.
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- Letter on behalf of Mr. B. Dixon complaining of injury sustained by him from the use made of his private sewer at Norway Wharf, Limehouse; together with the engineer's report thereon. 1856. 8vo, pp. 7, and map.
- Report by engineer on the sewage interception and main drainage north of the Thames. 1856. 8vo, pp. 26, folding tables and plans.
- Memorandum by the chief engineer on Mr. G. Gurney's report . . . upon the sewers in the neighbourhood of the Houses of Parliament. 1857. 8vo, pp. 8.
- Report of the engineer of the Board on memorial from the vestry of the parish of Islington, complaining of the present condition of the open Hackney Brook sewer, and praying that the same may be covered in. 1858. 8vo, pp. 8, and two maps.
- Letter from Mr. Henchman . . . relative to the construction of the King's Scholars' Pond, and other sewers, and report by the engineer thereon. 1865. 8vo, pp. 7.
- Report by the engineer of the Board on the interception of the sewers within the city of London, and a report upon the same subject made to the City Commissioners of Sewers by their engineer and surveyor. 1872. 8vo, pp. 14.
- Report of the engineer on the frequent overflow of the Fleet sewer. 1872. 8vo, single sheet.
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- Report by engineer on . . . main sewer in Queen's-road, Dalston. 1875. 8vo, pp. 2, and map.
- Report by engineer on . . . main sewer on Barnett-grove estate, Bethnal-green. 1875. 8vo, pp. 4.
- Report of sub-committee of Works and General Purposes Committee to consider . . . admission of sewage of West Ham into metropolitan system, and report by engineer on the subject. 1875. 8vo, pp. 8, and map.
- Statement with reference to questions pending between Board and Ironmongers' Company as to certain land at West Ham. 1875. 8vo, single sheet.
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- Report by engineer as to continuation of covered sewer in lieu of open Effra sewer. 1862. 8vo, pp. 4.
- Report by engineer on boring operations at Crossness pumping station. 1868. 8vo, pp. 17, and plans.
- Reports by engineer on the same subject. 1869. 8vo, pp. 20 and plan.
- Further report by engineer on the same subject. 1869. 8vo, pp. 6.
- Report by solicitor relative to proposed sewage operations at Wimbledon. 1872. 8vo, single sheet.
- Report by engineer and correspondence with Messrs. Thomas Doewira and Son, relative to their alleged inability, for reasons stated, to proceed with the boring at Crossness. 1873. 8vo, pp. 17.

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- Report by solicitor relative to proposed sewage operations at Wimbledon. 1873. 8vo, pp. 10.
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- Report by the engineer on a letter from the Wandsworth district board as to discharging surface waters into the Beverley Brook. 1879. 8vo, pp. 4.
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- Report on the Epping Forest Bill and the Metage on Grain (Port of London) Bill about to be introduced into Parliament by the Corporation of the City of London. 1872. 8vo, pp. 7.
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- Further report by solicitor on same subject. 1876. 8vo, pp. 6.

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- Gas explosion near Tottenham Court-road: report by the engineer and the consulting chemist. 1880. 8vo, pp. 9.

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- Report by solicitor relative to the carriage of explosive substances through the Metropolis. 1874. 8vo, pp. 10.
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- [Similar return, 1870.] 1870. Folio, pp. 43.
- Extract from report of Finance Committee on the issue and payment of the Board's main drainage and ordinary precepts. 1860. 8vo, pp. 4.
- Report of Finance Committee on Mr. Leslie's questions respecting the cash balances and debts of the Metropolitan Commissioners of Sewers. 1860. 8vo, pp. 14.
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- Report made to the Works and General Purposes Committee by the chairman of the Board and the deputy-chairman of the Committee, on the subject of hydrants for extinguishing fires. 1874. 8vo, pp. 4.

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- Fire hydrants: notes relating to water supply and fire extinguishing service of Manchester and Liverpool. 1875. 8vo, pp. 29, and plans.
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- Memorandum on the Chelsea-embankment, opened by the Duke and Duchess of Edinburgh, 9th May, 1874. 8vo, pp. 10, and plates.

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- Extract from minutes of Board relative to proposed commission on embankment of river Thames. 1861. 8vo, pp. 2.
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- See also: Albert-embankment, Chelsea-embankment, and Victoria-embankment.*

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 - Report by engineer on the same subject. 1862. 8vo, pp. 6.
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- Metropolis water supply: abstract of Metropolis Water Supply Act, 1871. 1871, 8vo, pp. 15.
- Reports by Mr. Bramwell on regulations for constant supply of water made by water companies under Metropolis Water Act, 1871. 1872. 8vo, pp. 22.
- Joint letter from Messrs. Bramwell, Barlow and Pole accompanying the amended regulations for a constant supply of water, prepared by them for the consideration of the Board. 1872. 8vo, pp. 34.
- Metropolis Water Act, 1871: regulations made by water companies and amended regulations proposed by Metropolitan Board of Works for consideration of Board of Trade. 1872. 8vo, pp. 19.
- Report by F. J. Bramwell on regulations for constant supply of water made by the water companies under the provisions of the Metropolis Water Act, 1871. 1872. 8vo, pp. 22.
- Solicitor's report on regulations for a constant water supply, made in accordance with the provisions of the Metropolis Water Act, 1871. 1872. 8vo, pp. 8.
- Estimates by Mr. Chas. Stephenson of cost of application of Metropolis Water Act, 1871, to houses of a rental of £250 and £315 per annum. 1873. 8vo, pp. 8.

Metropolitan Board of Works--*continued.*

Water Supply--*continued.*

- Further report by solicitor as to regulations for a constant supply of water. 1873. 8vo, pp. 21.
- Report of Works, etc., Committee on the Metropolis Water Act, 1871. 1873. 8vo, pp. 10.
- Report by engineer as to inspection of houses in districts in which East London and Kent Water Companies have given notice that they have provided with a constant supply of water. 1874. 8vo, pp. 6.
- Report of Parliamentary Committee on water supply of the Metropolis. 1876. 8vo, pp. 3.
- Abstract of the report of the Royal Commissioners on water supply, 1869, and analysis of evidence: extracts from other reports bearing upon the question; and epitome of the Stockton and Middlesborough Corporations Waterworks Act, 1876. 1877. 8vo, pp. 36.
- Report by the consulting chemist upon Colonel Bolton's return of the state of Metropolitan waters during the month of October, 1880. 8vo, pp. 4.

Works.

- Monthly report by the engineer on the progress of the several special contract works. 1872-88. London, 1872-88. 8vo.
- Quarterly returns by the engineer showing the names of the several special clerks of works in the employ of the Board, the wages paid to them respectively, and the works upon which they are at present engaged. 1874-77. 1880-88. London. 1874-88.

Metropolitan Commissioners of Sewers.

Cholera Epidemic.

- Report on the state of Hare Brain-court, Rosemary-lane. 1848. Folio, pp. 3.
- Letter of Mr. W. Baker, Coroner, respecting the responsibility of Commissioners of Sewers where excessive mortality is referable to defective drainage. 1849. 8vo, pp. 2.
- Report on memorial from Board of Guardians for the parish of Camberwell, by J. Grant. 1849. 8vo, pp. 5.
- Two reports on the condition of Surrey-court, Horsely-down, by J. Grant. 1849. 8vo.
- Report by J. W. Bazalgette, on the precautions employed for preventing works in progress from injuriously affecting the locality. 1854. 8vo, pp. 4.
- Report on an inquiry and examination into the state of drainage of the parish of St. James, Westminster, in which deaths have occurred from cholera to so great an extent. 1851. 8vo, pp. 11, and folding plan.

Metropolitan Commissioners of Sewers—*continued.*

Drainage and Sewerage.

- Charge to the jury, delivered by Viscount Morpeth. 1848. Folio, pp. 4.
- Opinion of counsel as to forms required under the Metropolitan Sewers' Act, 1848. 1848. Folio, pp. 5.
- Return of orders and resolutions involving questions of principle. 1848. Folio, pp. 3.
- Opinion of counsel respecting the liability of commissioners for the acts and defaults of their subordinates. 1849. 8vo, pp. 2.
- Outline of the law of sewers affecting the Metropolitan Commission of Sewers. 1849. 8vo, pp. 8.
- Copy of general orders . . . as to house drainage and sewers passed since October, 1849. 1854. Folio, pp. 4.
- Return . . . shewing the sewers, drains, and flaps constructed wholly or in part at the expense of the Commission, and the amount of contributions received thereto. 1849–55. 1855. Oblong folio, pp. 3.

See infra : Flushing and cleansing.

District drainage.

- Report of Mr. H. Austin on the drainage of Westminster. 1848. Folio, pp. 8, and 2 plans.
- Report of Mr. J. Phillips on the improvement of the drainage of the city of Westminster, with plans, sections and estimate. 1848. Folio.
- Report of Mr. J. Phillips on the sanitary condition of St. Marylebone. 1848. Folio, pp. 6.
- Report on existing drainage in the Surrey and Kent district. 1848. Folio, pp. 4.
- A report to the Survey Committee upon an inspection of sewers in Southwark. 1848. Folio, single sheet.
- Descriptive report on the state of the sewers in the Surrey and Kent district. 1849. 8vo, pp. 4.
- The same: Westminster district. 1849. 8vo, pp. 22.
- A report by Messrs. Lovick and Donaldson on the drainage of Hammersmith within the area of active operations, its present condition, and necessity of remedial measures necessary. 1849. 8vo, pp. 3.
- Report of consulting engineer upon application of Westminster Improvement Commissioners for improved drainage of the City of Westminster. 1849. 8vo, single sheet.
- Report of Mr. Gotto as to the sewerage of the intended new street at Westminster. 1849. 8vo, pp. 6.

Metropolitan Commissioners of Sewers—*continued.*

Drainage and Sewerage—*District drainage—continued.*

- Remarks on the report of Mr. Gotto, by H. Austin, consulting engineer. 1849. 8vo, pp. 5.
- Report of the assistant surveyor, Mr. Donaldson, on the subsoil drainage of the City of Westminster. 1849, 8vo, pp. 3.
- Report on the drainage of Richmond, by Mr. G. Donaldson. 1849. 8vo, pp. 18, and 4 folding plans.
- Sydenham drainage, etc.: reports and estimates by Messrs. Donaldson and Gotto. 1849. 8vo, pp. 13, and folding plan.
- The engineer's report on Surrey and Kent drainage. 1850. 8vo, pp. 6, and folding plan.
- Engineer's report on the drainage of districts north of the Thames. 1851. 8vo, pp. 6, and folding plan.
- Return of the estimate for the first contract length of the Victoria-street sewer; report of J. Smith, surveyor, on its state and condition; and report of the engineer on the above report. 1851. Folio, pp. 6, and folding plan.
- Report of Mr. J. Simpson on the Victoria-street sewer. 1853. Folio, pp. 8.
- Reports, minutes and proceedings . . . and correspondence with the Kent Water Works Company in reference to the works for the diversion of the Ravensbourne drainage. 1855. 8vo, pp. 79, and 7 folding plans.

House drainage.

- Report by J. Phillips on tubular house drains laid down at Peckham. 1848. Folio, single sheet.
- Report of the surveyors on house drainage. 1848. 8vo, pp. 54, and 33 plates.
- Report to the Survey Committee on the drainage of the new palace at Westminster by H. Austin. 1848. Folio, pp. 6.
- Experiments of Mr. E. Gotto in respect to tubular back drainage at Dover. 1849. 8vo, pp. 5.
- Report by E. Gotto on the noxious effluvia pervading the Houses of Parliament due to structural defects, contiguous grave yards, and other local nuisances. 1849. 8vo, pp. 2.
- Report of Mr. H. Austin on the drainage of the new palace at Westminster, with Sir C. Barry's reply; Mr. Austin's observations thereon, and Sir C. Barry's rejoinder. 1849. 8vo, pp. 30.
- Report of Mr. Lovick on Mr. Wass's application on drainage of No. 23, Somers-place, East, St. Pancras. 1849. 8vo, pp. 2, and plan.

Metropolitan Commissioners of Sewers—*continued.*

Drainage and Sewerage—*House drainage—continued.*

——— Report on Church-lane and Carrier-street, St. Giles', by E. Gotto. 1849. 8vo, pp. 11, and folding plan.

——— Report on evils complained of in Blackfriars-road and neighbourhood. 1849. 8vo, pp. 6.

——— Report on the drainage of Jennings'-buildings and Kensington workhouse, also as to raising sewage deposit from south end of Kensington sewer for the use of the Sewage Manure Company. 1849. 8vo, pp. 8.

——— Rules and regulations to be observed by officers charged with the preparation of plans and the superintendence of works of house drainage. 1849. 8vo, pp. 5.

——— Suggestions for the execution of house drainage. 1849. 8vo, pp. 3.

Report of the Bye-laws Committee on measures for giving effect to the above suggestions of Messrs. Bullar and Chadwick. 1849. 8vo, pp. 10.

——— Tubular drainage, etc., for Jennings'-buildings. Kensington: with distribution of charges over twenty years. 1849. 8vo, pp. 21, and 4 folding plans.

——— Bye-law requiring builders to give notice and deposit plans and particulars before commencing to build or rebuild any dwelling-house. 1850. 8vo, pp. 3.

——— Bye-law requiring district surveyors under Metropolitan Buildings Act to make weekly returns of all notices for new dwelling-houses. 1850. 8vo, pp. 2.

——— Report to Viscount Palmerston on the system of drainage pursued in the Metropolis; by R. Jebb, Chairman of the Commissioners. 1854. 8vo, pp. 21.

See supra: Cholera Epidemic.

Land Drainage.

Letter from R. Rugg on the subject of the drainage of Woolwich Marshes. 1848. Folio, pp. 3.

——— Suburban and land drainage; draft report for consideration. 1848. 4to, pp. 106.

——— A letter from the Zoological Society of London on the drainage of Regent's-park. 1849. Folio, single sheet.

——— Report of Mr. Donaldson on the same. 1849. 8vo, pp. 6, and plan.

——— Mr. Donaldson's reports on Latchmere-brook. 1849. 8vo, pp. 3, and map.

——— Report of Mr. Donaldson on the state of Hyde-park. 1849. 8vo, pp. 6.

Metropolitan Commissioners of Sewers—*continued.*

Drainage and Sewerage—*continued.*

Main Drainage.

- Reports of the surveyors upon the bill of the Great London Drainage Company. 1848. Folio, pp. 4.
- Concise statements of the main features of the plans for the drainage of the Metropolis. 1849. 8vo, pp. 95.
- The same. Second series. 1849. 8vo, pp. 155.
- Letter . . . on the drainage of the Metropolis, by Mr. J. Phillips. 1849. 8vo, pp. 4.
- Memorandum by T. Lovick respecting the size of pipe capable of discharging the entire house drainage of the Metropolis. 1849. 8vo, pp. 2.
- Preliminary report on the drainage of the Metropolis, by J. Phillips. 1849. 8vo, pp. 18, and map.
- Observations on the above plan, by H. Austin. 1849. 8vo, pp. 7.
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- Reports by J. W. Bazalgette and by Sir W. Cubitt and R. Stephenson on the high level line for the interception of the drainage north of the Thames, and on the intercepting lines south of the river. 1853. 8vo, pp. 25, and 2 folding maps.
- Report upon the scheme of the Great London Drainage Company, by J. W. Bazalgette and W. Haywood. 1853. 8vo, pp. 31.
- Return of copies of letters to J. J. Morewood, Esq., and resolutions of the Commissioners in reference to Great London Drainage scheme, and copies of reports . . . in reference to the Victoria-street sewer, with original estimates, *etc.* 1853. Folio, pp. 111.
- Report in respect of . . . the northern drainage, by J. Roe, together with the report thereon of J. W. Bazalgette, *etc.* 1854. 8vo, pp. 47, and 5 folding maps.
- Further report on the same, by J. Roe. 1855. 8vo, pp. 10.
- Report by R. Stephenson on the report of J. W. Bazalgette and W. Haywood on the sewage interception and main drainage of districts north of the Thames. 1854. 8vo, pp. 8.
- Report upon the sewage interception and main drainage of the districts north of the Thames, by J. W. Bazalgette and by W. Haywood and Sir W. Cubitt. 1854. 8vo, pp. 36, and folding map and tables.

Metropolitan Commissioners of Sewers—*continued.*

Drainage and Sewerage—*Main drainage—continued.*

- The calculations of Mr. Bazalgette as to the slope, size, velocity, flow, and discharging power of the various intercepting lines of sewer north of the Thames . . . at each of the points where their dimensions and slope change, and at each of the points where the intercepted sewers join. 1855. 8vo, pp. 70.
- Data employed in determining the sizes and estimating the cost of the works designed for the main drainage of the Metropolis, by J. W. Bazalgette. 1855. 8vo, pp. 19, and 3 folding tables.
- Memorandum on the above, by F. O. Ward. 1855. 8vo, pp. 19.
- Estimates of the cost of the extension of Mr. Forster's plan for the main drainage of the streets south of the Thames, *&c.* 1855. 8vo, pp. 11.
- Letter on the scheme for drainage of the districts north of the Thames by Messrs. Bazalgette and Haywood, by H. Law. 1855. 8vo, pp. 30, and 11 folding maps.
- Reports as to the fall of the extension of the main sewer from the Ravensbourne to the outlet, by Messrs. Bazalgette and Donaldson, and others. 1855. 8vo, pp. 12, and map.
- Reports by the engineers on the extension of Mr. Forster's plan for the main drainage of the districts south of the Thames and modification of its branches. 1855. 8vo, pp. 32, and 3 folding maps and tables.

Open sewers and outlets.

- Report as to covering the outfalls of the sewers on the banks of the Thames. 1848. Folio, single sheet.
- Resolution with respect to a meeting at Christ Church, Surrey, upon the subject of the sewers. 1848. Folio, pp. 6.
- Report by J. Lovick on open ditches in Lower Tooting. 1849. 8vo, pp. 4.
- Report of Messrs. Phillips, Donaldson and Grant, on Bermondsey mill streams, with solicitor's remarks. 1849. 8vo, pp. 3.
- Report of the Committee on viewing the dams and encroachments upon public waterway at Lower Tooting and other places, and on the expediency of prostrating the same. 1849. 8vo, pp. 3, and map.
- Report on complaint of Mr. Graham, of Hedge-farm, Battersea, by Mr. J. Grant, with an appendix. 1849. 8vo, pp. 3.

Metropolitan Commissioners of Sewers—*continued*.

Drainage and Sewerage—*continued*.

Pipe sewers.

- First report of Mr. J. L. Hale on . . . the practicability of substituting small pipes for large sewers and drains. 1848. Folio, pp. 8.
- Preliminary report of Mr. J. Roe on the form and construction of kilns now used for the burning of the various kinds of clay ware, *etc.* 1849. 8vo, pp. 9.
- Report as to the efficiency, working condition, and sanitary advantages of the tubes laid in open ditches in the Kent and Surrey districts. 1849. 8vo, pp. 5.
- Report by Messrs. Austin and Lovick on the drainage of the Westminster Abbey precincts. 1849. 8vo, pp. 4, and 2 folding plans.
- Report on drainage of the Potteries, Kensington, and appendix. 1849. 8vo, pp. 3.
- Report on the drainage of Goulston-street and neighbourhood, Whitechapel, by Messrs. Phillips and Gotto. 1849. 8vo, pp. 12, and 2 plans.
- A table of the prices of drain pipes by various manufacturers. 1849. Folio, folding sheet.
- Report by the secretary on works executed at Church-lane, St. Giles's, on the substitution of egg-shaped brick sewers for tubular stoneware, with other particulars. 1852. 8vo, pp. 6.
- Extract from a report of the general surveyor of works on past failures and present condition of pipe sewers and drains. 1853. Folio, pp. 2, and 12 plans.
- Reports on pipe sewers laid down in Church-lane and Carrier-street, St. Giles's. 1853. Folio, pp. 2, and 3 plans.
- Copies of correspondence relating to the drainage of East Country-road, and Commercial-road, Rotherhithe. 1854. Folio, pp. 18.
- Report upon the system of drainage and water supply at Rugby, Sandgate, St. Thomas's, Exeter and Barnard Castle, by J. W. Bazalgette. 1854. 8vo, pp. 62.
- Communications from Mr. Pilton, and Messrs. Doulton, with reports by Professors Miller, Way, and Letheby, containing the results of analyses and experiments in reference to the composition of the Lambeth stone ware and Aylesford pottery pipes, and a report by Mr. Bazalgette on their comparative efficiency for sewerage purposes. 1855. 8vo, pp. 39.
- Reports on the present state of pipe sewers, by the district engineers. 1855. 8vo, pp. 64, and folding plans.

See supra : House drainage.

Metropolitan Commissioners of Sewers—*continued*.

Drainage and Sewerage—*continued*.

Ventilation of sewers.

- Report by H. Austin on the progress of the subterranean survey and on the atmosphere of certain sewers; 3rd August to 16th September, 1848. Folio.
- Report of Mr. Cooper on the gases in the Surrey and Kent sewers. 1848. Folio, pp. 3.
- Report on ventilation of sewers. 1848. Folio, pp. 2.
- Remarks on the subject of effluvia from gully gratings, by Capt. Vetch. 1849. 8vo, pp. 3.
- Report by E. Murray on trapping of gullies. 1849. 8vo, pp. 6.
- Report on the trapping of gullies, by the consulting engineer. 1849. 8vo, pp. 9.
- Suggestions for improving the method of trapping and ventilating sewer and house drains, by J. Lovegrove; with Mr. Bazalgette's report thereon. 1855. 8vo, pp. 11.

Establishment.

- Accountant's statement as to salaries and charges for service. 1847. London, 1848. Folio, pp. 5.
- Bye-law creating office of engineer, salary £1,300 per annum, with £200 additional for expenses. 1849. 8vo, pp. 2.
- Letter from Mr. L. C. Hertslet [with reference to his resignation and the future action of the commissioners]. 1849. 8vo, pp. 2.
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- Return of officers and persons employed in surveyor's department. 1849. 8vo, pp. 12.
- Statement prepared by the chairman with reference to a reduction of establishment charges. 1851. Oblong folio, pp. 14.
- List of officers, with their salaries and allowances. 1852-55. Folio.

Finances of the Commission.

- Abstracts of receipt and expenditure, and works executed during each year. 1849-1855. Folio.
- Draft report on the Surrey accounts. 1848. Folio, pp. 5.
- Report of the General Purposes Committee on the accounts of late Surrey and Kent Commission. 1848. Folio, pp. 5.

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Finances of the Commission—*continued.*

- Paper to accompany the above. 1848. Folio, pp. 3.
- Report of R. G. Anderson on system of book-keeping proposed by the public accountant. 1848. Folio, single sheet.
- Report of the public accountant on the books of the former Commissions; with reply of the district clerk of the Surrey and Kent Commissions. 1848. Folio, pp. 13: 3.
- Resolution of Committee for General Purposes on Surrey and Kent accounts. 1848. Folio, pp. 2.
- Cash balances on the several districts. 1849. 8vo, single sheet.
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- Report by Mr. W. H. Grey on a new system of keeping the accounts of the Commission. 1849. 8vo, pp. 6.
- Remarks on the above by the clerk of accounts. 1849. 8vo, pp. 3.
- Return, etc., setting forth the separate sums expended for works, local supervision, and compensation damages. 1853. Folio, pp. 3.
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- Estimates of available balance for extraordinary works, 1854-55. Folding sheets.

Flushing and Cleansing.

- Cleansing cesspools by pump and hose; answers to enquiries as to effects. 1848. Folio, pp. 8.
- Draft regulations, etc., for cleansing cesspools. 1848. Folio, pp. 4.
- Report by J. L. Hale on the cleansing of streets, courts and alleys by means of the hose and jet. 1848. Folio, pp. 4.
- Report on flushing sewers, by Messrs. Stable and Lovick. 1848. Folio, single sheet.
- Reports on street cleansing by T. Lovick. 1848-49. Folio.
- Surveyors' report on flushing and cleansing sewers and cesspools. 1848. 4to, pp. 4, and folding plan.
- Approximate preliminary report on the flushing operations. 1849. 8vo, pp. 101.

Metropolitan Commissioners of Sewers—*continued.*

Flushing and Cleansing—*continued.*

- Report of Mr. J. L. Hale on cleansing King's Scholars' Pond sewer, reduction of cost of flushing apparatus, and prevention of effluvia from sewers. 1849. 8vo, pp. 4.
- Report of Mr. Lovick on flushing operations generally, with opinions of the public thereon. 1849. 8vo, pp. 5.
- Report on emptying cesspools. 1849. 8vo, pp. 9.

See supra: Cholera.

Minutes.

- Minutes of Proceedings. 1848–55. [London, 1848–55.] Folio.

Ordnance Survey.

- Apportionment of cost of ordnance survey to the several districts. [Case: with opinion of Attorney and Solicitor-General, and Mr. Peacock.] 1848. Folio, pp. 3.
- Proceedings with respect to the ordnance survey. 1848. Folio, pp. 5, and single sheet.
- A report as to the proposed ordnance survey of the metropolis. 1848. Folio, pp. 3.
- Report by H. Austin on the extension of the survey. 1848. Folio, pp. 4.

Papers Presented.

- Index to papers presented to courts and committees from 1848 to 1855. London, 1856. Folio, pp. 100.

Procedure.

- Recommendation of the General Committee for regulating the business of the Commission. 1849. 8vo, pp. 5.
- Case and opinion of counsel upon the above. 1849. 8vo, pp. 11.
- Suggestions as to the course to be taken on the opening of the new Commission under the Act, 11 and 12 Viet., c. 112. 1849. Folio, pp. 10.
- Mr. Hume's notes on the above suggestions. 1849. Folio, pp. 3.

Public Conveniences.

- Letter of Mr. Bazalgette on establishment of public conveniences throughout the Metropolis. 1849. 8vo, pp. 7, and map.

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- Opinion of counsel as to rates. 1849. 8vo, pp. 3.
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- Bye-law respecting appeals against orders imposing charges for default. 1852. 8vo, single sheet.
- Inquiry to ascertain the maximum limit of the annual taxation required from the sewers rate-payers, and to advocate the community the adoption of the principles of joint stock association . . . to improve . . . the sewage and drainage of London, presented by A. Sayer. 1855. 8vo, pp. 98.

Sewage—*Deodorisation.*

- Report on flushing sewers and cleansing cesspools; enclosing a comparative statement respecting three deodorants, by C. J. Hodson. 1848. Folio, pp. 4.

Utilisation.

- Heads of draft report in the case of Metropolitan Sewage Manure Company. 1848. Folio, pp. 5.
- Memorandum on the Company. 1848. Folio, pp. 19.
- Prospectus of the Company. [1848.] Folio, pp. 3.
- Report by Mr. G. Donaldson on application of sewage as manure—Manchester and London—with abstracts of analyses. 1848. Folio, pp. 3.
- Report of Mr. Donaldson as to the application of sewage to market gardens at Fulham. 1848. Folio, pp. 3.
- Reports on distribution of sewage manure. 1848. Folio, pp. 2.
- Substance of resolution to be proposed with reference to the application of sewage water as manure. 1848. Folio, single sheet.
- Mr. Donaldson's letter on the cost and distribution of liquid manure. 1849. 8vo, pp. 3.
- Result of some inquiries upon the amount of water required per acre by irrigated meads, and the supply obtainable from the sewers of the Metropolis. 1849. 8vo, pp. 7.
- Statement of Mr. Donaldson on expenses of the application of sewage manure, with appendices. 1849. 8vo, pp. 5.
- Report upon the most advantageous mode of dealing with the sewage matter of the Metropolis with a view to the preparation of sewage manure, by T. Wicksteed. 1854. 8vo, pp. 47.
- On the application of sewage to agricultural purposes; a paper by W. Johnson, Esq. 1855. 8vo, pp. 44.

Metropolitan Commissioners of Sewers--*continued.*

Tides.

——— Register of tides taken at Deptford, London Bridge, and Battersea, from 19th June to 19th July, 1849. 1849. 8vo, pp. 31.

Water Supply.

——— Summary of answers returned by the various water companies supplying the Metropolis to questions submitted by the Commissioners of Sewers [as to water supply to courts and alleys]. 1848. Folio, folding sheet.

Works.

——— Return of public and private works ordered and allowed. 1847-48 and 1850.

——— Report on the works and general proceedings of the Commission during the year 1850. 1851. 8vo, pp. 10.

Metropolitan Foreign Cattle Market First, second and third reports from the select committee on the Metropolitan Foreign Cattle Market Bill, with the minutes of evidence taken before them. London, 1868. Folio, pp. iv., 348; iv., 120; xxxviii., 76.

Contents of appendix to third report, *inter alia*: Report of the Governors of the Royal Veterinary College, addressed to the Council of the Royal Agricultural Society—Comparative statement of the number of cattle and sheep imported into London from each country during the first thirteen weeks of the year 1867, and the corresponding period of 1868.

Metropolitan Local Government Journal, County Council and Poor Law Administration. 1872-91. London, 1872-91. Folio, 20 vols.

Continued as the "Local Government Journal."

Metropolitan Public Gardens Association Annual reports, 1886-98. London [1887-99]. 8vo, 3 vols.

Metropolitan Railway—*Park Railway and Parliament Street Improvement Bill*. Special report, together with proceedings of the committee, minutes of evidence, appendix, and index. London, 1884. Folio, pp. xviii., 527, and 2 maps.

The appendix consists of a map of the Metropolis showing omnibus routes.

Metropolitan Railway—*Ventilation of tunnels*. Report of the committee appointed by the Board of Trade... with proceedings, minutes of evidence, appendix, and index. London, 1897. Folio, pp. xviii., 161. 11 plates.

Contents of appendix, *inter alia*: Memorandum by Dr. Haldane on the composition of the air in the Metropolitan and other railway tunnels, and on means of artificial ventilation of tunnels—List of open spaces on Metropolitan Railway between South Kensington and Aldgate—Schedule of number of

Metropolitan Railway—*Ventilation of tunnels*—continued.

trains running on inner and outer circles, with their carrying capacity—Statement showing comparative lengths of open tunnel and covered way between each station, exclusive of road ventilators—Statement of fuel and water consumed, also trains run, on Metropolitan Railway—Comparative sickness statistics between railway employes who are principally on duty in tunnels and those who are not—Length of service of engine-drivers, firemen and uniform staff—Deaths among the Metropolitan Railway Company employes in each of the years 1890–96—Metropolitan Railway experiments on ventilating fans—Observations at Chalton-street blowhole, Metropolitan Railway, 19th March, 1897—Open spaces and comparative lengths of open tunnel and covered way between Baker-street and Finchley-road—Schedule of number of trains running between Baker-street and Finchley-road, with their carrying capacity.

Among the plates is a plan of the line of railway from Queen's-road to King's Cross, showing all the open spaces and ventilators.

Metropolitan Sanitary Commission First, second and third reports of the commissioners appointed to enquire whether any, and what special means may be requisite for the improvement of the health of the Metropolis, together with the minutes of evidence to the first report. London, 1847–48. Folio.

——— First and second reports; together with minutes of evidence. London, 1848. Svo, 2 vols.

Metropolitan Subways Bill Report from select committee, together with proceedings, minutes of evidence and appendices. London, 1864. Folio, pp. x., 298.

Contents of appendices: (1) Statements as to traffic at different points. (2) Report on designs for subways in new streets in Metropolis.

——— Report and minutes of evidence taken before the select committee, together with the proceedings of the committee, appendix, and index. London, 1867. Folio, pp. xiv., 362.

Mews (John) Annual digest of all the reported decisions of the superior courts during the years, 1894–1900. London, 1895–1901. Svo, (*continuing*).

Meymott (William Joseph) An historical account of the parish of Christ Church, Surrey; showing how it was formerly a copyhold manor and then became a parish, separated from the united parishes of St. Margaret's and St. Mary Overy's, Southwark. Printed for private circulation, 1881. 4to, pp. vi., 64.

Contents, *inter alia*: Bermondsey abbey—Borough of Southwark—St. Thomas's hospital—St. Saviour's church—Manor of Old Paris Garden—Copyholders' privileges—Name of the manor—Ancient places in the manor no longer existing—Parish of Christ Church—Blackfriars bridge.

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Camberwell.	St. Anne, Westminster.
Charlton.	St. Clement Danes.
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Chelsea.	St. George-in-the-East.
Christchurch, Southwark.	St. George-the-Martyr, Southwark.
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Clapham.	St. John, Horselydown.
Clerkenwell.	St. Katharine-by-the-Tower.
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Finsbury (bound with Charterhouse).	St. Luke.
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Contents: History—Conditions under recent administrations—Effect of political control as shown by the condition of the department at the beginning of the present administration—Reorganization of the force—Street sweeping—Carting—Final disposition of garbage—Final disposition of street sweepings and ashes—Final disposition of paper and rubbish—Stock and plant—Removal of snow—Street railroads and pavements in New York—Street cleaning in Europe; a report of observations made in the summer of 1896—Juvenile street cleaning leagues.

Warren (J. Neville) The report of the Board of Health on the supply of water to the Metropolis weighed in its own balance and found wanting. London, 1850. 8vo, pp. 18.

[A pamphlet bound up with others in volume, *London water supply, 1849-64*. See *Water Supply*.]

Warwick (Robert E.) Observations on the laws of settlement, poor removals, and the equalization of the poor rates, in a letter addressed to F. W. Knight, Esq., M.P., late Secretary to the Poor Law Board: in reply to his two pamphlets entitled, *Centralization v. the parochial system*, and, *the Parochial system v. centralization*. London, 1855. 8vo, pp. 20.

[A pamphlet bound up with others in volume, *Accounts, finance, rates, etc., 1862*. See *Accounts*.]

Washburn (John Wycherford) See Goodall (E. W.) and J. W. Washburn. A manual of infectious diseases. 1896. 8vo.

Watermen and Lightermen, Company of The laws and constitutions of the Company of Watermen and Lightermen, rowing on the River Thames, betwixt Gravesend in the county of Kent and Windsor in the county of Berks. London, 1742. 8vo, pp. 187.

Water Supply Minutes of evidence taken before the select committee on the supply of water to the Metropolis; together with an appendix containing sundry papers laid before them. London, 1821. Folio, pp. 247.

The Committee's enquiries were chiefly directed to obtaining particulars of the increase in the charges of the companies and the grounds on which this action was based.

Appendices: Correspondence between St. Marylebone Vestry and the water companies.

London Bridge Waterworks: Account of the works—Leases granted to the company by the Corporation of the City of London—Income of the company in each year from 1800 to 1820—Rate of dividend paid in each year from 1789 to 1820—Dwelling houses, public buildings, etc., charged for the supply of water.

New River Waterworks: Dividend per share after deducting property tax paid in each year from 1789 to 1820—Gross income and dividends paid in each year from 1800 to 1820—Number of tenants and houses supplied in each of the years 1804, 1809, 1811, and 1819—Statement of the supply of water to the parish of St. Marylebone, part of Soho and part of St. George, Hanover-square—Statement of the number of strokes and quantity of water raised at the New River Head in each year from 1787 to 1809—Number and description of shares of the company—Average dividends of the company for five years from 1806 to 1810, and deficiency of dividends from 1811 to 1820—Estimate of the capital engaged in the work in 1815 and at Christmas, 1820—Estimate of dividends that would be produced by the rates of 1810 and by increases of 10, 15, and 25 per cent. on the rates of 1810—Expenditure of the company in 1820.

Chelsea Waterworks: Number of dwelling houses and other buildings supplied in each of the years 1804, 1809, 1814, and 1819—Copies of all Royal charters, etc., authorising the company to supply water in the Metropolis—Number, description, and nominal value of shares of the company—Dividends paid after deducting property tax for each of the years 1789 to 1820 on the

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capital of the company—Gross income and dividends paid in each year from 1800 to 1820—Copies of all deeds, contracts, etc., made on behalf of the company since 1st January, 1815—Difference of water supply between 1810 and 1820—Quantity of water the company is capable of supplying and the number of services—Estimates of annual expense of repairs for the next twenty years—Rental and rate of interest on the capital of the company—Amount necessary to be refunded annually for extraordinary repairs and ultimate renewal of certain parts of the waterworks beyond the amount provided in the ordinary expenses—Expenses of the company for three years from 1818 to 1820, with an average thereof—Abstracted valuation of certain parts of the waterworks erected since 1734 now in use—Copy of rules acted upon by the company in respect of distinction between high and low, extra and ordinary services, together with a list of trades which are subject to an extra charge in respect of their consumption of water and the periods during which these rules have been acted upon—Methods of rating the tenants of the company in 1810—Comparison of original expense between an iron and wooden pipe of four inches diameter, and also the expenses of probable repairs of each during the course of thirty years.

York Buildings Waterworks: Gross rental for water supplied for each year 1800 to 1818—Number of tenants supplied in the years 1804, 1809, 1814, and 1818—Quantity of water pumped in the years 1810 and 1818—Dividends paid by the company after deducting property tax for each of the years 1789 to 1812—Charges for supplying water.

East London Waterworks: Number and description of shares, their nominal value and the net amount paid and received thereon, distinguishing the amount received in each year from the first establishment of the company—Dividends paid after deducting property tax for each year 1809 to 1821—Gross income of the company for each year from August, 1808 to Christmas, 1820—Number of dwelling houses and other buildings supplied in the years 1809, 1812, 1814, 1816, and 1819, with the average rate charged thereon—Yearly amount of the rates charged on premises supplied with water in 1817 as compared with 1820—Quantity of water raised, tenants supplied, and amount of rental in Shadwell and West Ham districts, in the year 1809—Amounts paid by the company for relaying or repaving the public pavement from the year 1807 to 1820—Rates of interest which would be produced on the capital of the company by the water rates of 1817, 1818, and 1820—Scale of rates charged for 1818, and list of trades subject to extra charges for consumption of water.

West Middlesex Waterworks: Net amount of subscriptions received by the company from 1807 to 1817 with interest thereon—Amounts paid by the company for relaying and repaving the public pavements from 1809 to 1820—Hours worked by the engines and quantity raised (in hog-heads) from 1814 to 1820—Hours of work and coals consumed from 20th January, 1820 to 15th January, 1821—Income of the company for each of the years 1811 to 1820—Number of houses supplied, distinguishing the number and charge for high services—Yearly amount of the rates charged on premises supplied in 1818 and 1820—Number of six months notices served in 1820—Rate of interest which would be produced on the capital of the company by their increased rates and on their rates of 1810—Account of all shares or transfers from September, 1809 to July, 1811—Annual expenses of the company in 1820—Gross income of the company for each of the years 1811 to 1820—Expenditure of the capital of the company—Rules upon which the company acts in respect of distinction of high and low, extra and ordinary services, and list of trades subject to extra charges, and the periods during which these rules have been acted upon.

Grand Junction Waterworks: Copies of deeds, contracts, undertakings and other instruments in writing entered into between the company and any other company since 1st January, 1815—Number and description of shares of the company and the net amount paid thereon and received in each year from 1810 to 1817—Dividends paid by the company in each year from 1819 to 1821—Amounts paid by the company for relaying and repaving the public

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pavements for each year from 1812 to 1820—Number of circular letters or notices sent to tenants who refused payment of the increased rates of the company—Number of six months notices served—Number of dwelling houses and other buildings supplied with water by the company in each of the years 1812, 1814, 1816, and 1819, according to the parishes in which they are situated—Account showing application of capital actually raised by the company—Gross income of the company for each year from 1814 to 1820—Rates charged on premises in 1818 and 1820 showing high, ordinary and extra services in the latter period—Rules upon which the company acts in respect of distinction between high and low, extra and ordinary services, and list of trades subject to extra charges, and the periods during which these rules have been acted upon—Gross charge of the company for water rates from 1818 to 1820—Rate of interest which would be produced on the capital by their rate of 1810 and by their increased rate.

Miscellaneous papers: Estimate of fund necessary to provide against the wear and tear of capital for a waterwork—Abstract showing rentals and dividends of the old water companies up to the year 1810 under the rates then paid—Comparative statement of the quantity of water delivered yearly to the Metropolis on the north side of the Thames in the years 1809 and 1820, together with the number of tenants and buildings supplied and the gross water rental of each company at both periods—Comparative statement of the value of the new companies' works with the estimated value of the old companies' works, with the yearly current expenses of each company, number of buildings supplied, gross amount of the water rentals including the increased rates charged by the companies, average yearly rates per house or building, charge per 1,000 hogsheads computed on those rentals, total quantity of water supplied annually, average daily supply for each house or building, including all extraordinary consumption and the elevations at which same is supplied.

Report of the commissioners appointed to enquire into the state of the supply of water in the Metropolis; together with appendices. London, 1828. Folio, pp. 155.

Appendices, *inter alia*: Report of Mr. H. R. Palmer on samples of water taken at the entrance to the several companies' intakes at low water, half flood, high water, and half ebb, and also at several other places on the Thames—Analysis of the above by Dr. Bostock—An investigation of some of the properties of the Thames water by W. Lambe, M.D.—A plan by which London could be supplied with pure water from a point close to Isleworth by R. M. Kerrison, M.D.—A plan by which London could be supplied with pure water from between Brentford and Richmond by means of a subterranean aqueduct to Hampstead-hill or its vicinity, and from thence by pumping to a reservoir at a considerable elevation above the end of this aqueduct by Mr. G. Taylor—Petitions by the inhabitants of Southwark, Battle-bridge, Lambeth, St. George-the-Martyr, and the west part of the Metropolis—Correspondence between the Commissioners and the Home Department—Memoir of Mr. J. Wright: Heads of the memoir were: (1) on the necessity of a pure and wholesome supply of water to the inhabitants of the Metropolis; (2) of the monopoly; (3) of the Grand Junction Company; (4) of the River Thames between Chelsea Hospital and London Bridge; (5) of the remedy.

Report of the select committee on the supply of water to the Metropolis; together with minutes of evidence and appendix. London, 1828. Folio, pp. 68.

To inquire into the present system of supplying water to the Metropolis, including the borough of Southwark, and into the amount of the rates paid by the inhabitants, and who were instructed to include Lambeth, Christ Church, Surrey, and the adjacent parishes in the inquiry; and to whom the petition of the inhabitants of the western parts of the Metropolis, and also

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the report of the commissioners appointed by His Majesty to inquire into the state of the supply of water in the Metropolis, severally presented to the House in the present session were referred; and who were empowered to report the minutes of evidence taken before them.

Appendices: Returns from the West Middlesex, Grand Junction, Chelsea, New River, East London, South London, Lambeth and Southwark water companies, as to when the company was established; number of applications made to Parliament subsequently, and their results; amount of capital employed, and how invested; amount expended for engines, reservoirs and pipes; dividends paid per share from the first establishment of the company to 1828; quantity of imperial gallons pumped per day, and to what height; the greatest quantity that the engines can pump; number of houses paying for high service; rates paid for high service; number of houses receiving low service; rates paid for low service; increase of rates since the establishment of the company; as to further increase should the company avail itself of full powers; area of supply by the company.

Grand Junction Company: Account of the gross income derived from water supplied for domestic purposes and public buildings, from street watering, and from other sources—Number of houses and other buildings supplied, and the rates at which supplied—Experiments to ascertain the current of flood and ebb tides of the Thames at spring and neap tides, with a view to decide in what degree the Thames at Chelsea is affected by the drainage water of London.

New River Company: Dividends paid in the years from 1770 to 1827—Houses and other buildings supplied in the years from 1821 to 1827—Gross income and dividends (the former is divided under the heads: water supplied for dwelling houses, etc., watering roads or streets, rents for land and houses).

East London Company: Scale of rates of the company, and a list of trades subject to extra charges—Dividends paid, and rates of such dividends from 1809 to 1828—Gross income in 1820 and 1827—Number of dwelling houses and other buildings supplied by the company in the years from 1821 to 1827.

South London Company: Number of tenants supplied in each year from 1808 to 1828—Number of shares of the company—Hours worked and coals consumed by the engines for the year from June 1st, 1827 to June 1st, 1828—Income of the company for each year from 1809 to 1828.

Table showing comparison between 1820 and 1827 of each company supplying the Metropolis with water as regards number of houses supplied, average rate per house, gross annual income, gross expenditure, net profit.

Report from the select committee on Metropolis water; with minutes of evidence and appendix. London, 1834. Folio, pp. 196.

This was the committee to whom the report of Mr. Telford, presented to the House on the 26th day of March, 1834, was referred, to examine the matter thereof, and report the same, with their observations thereon, to the House, and who were empowered to report the minutes of evidence taken before them.

Appendices: Returns from the New River, Grand Junction, West Middlesex, Lambeth and Southwark and Vauxhall water companies, as to date of establishment; number of applications made to Parliament subsequently and their results; amount of capital employed and how invested; actual sum expended on engines, reservoirs and pipes; dividends paid to shareholders; quantity of water in imperial gallons pumped per day and to what height; greatest quantity engines can pump; number of houses paying for high service; rates paid for high service; number of houses receiving low service; rates paid for low service; increase of rates since the first establishment; further increase should the company avail itself to the full extent of the provisions of the Act; agreements entered into with other companies for obtaining the sole supply of any district and the dates thereof.

New River Company: Gross income and dividends from the year 1828 to

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1833 (the former is divided under the heads : rents for dwelling houses, etc., watering roads and streets, and rents for land and houses)—Houses and other buildings supplied for the years 1828 to 1833, showing number of tenants in each district or walk—Gross income and expenditure in 1833—Dividends paid per share for the years 1828 to 1833.

East London Company : Amount of capital employed, actual amount expended to Christmas, 1827, and from that date to 1833—Gross income and expenditure in the years 1827 and 1833—Average daily supply of water in 1833—Dividends paid in each year from 1828 to 1834 with rate of dividend.

South London Company : Account of shares of the company—Income for the years 1828 to 1834.

Statement of the gross expenditure of each company to 1834 ; limitation of capitals according to acts and charters ; number of shares of the company ; nominal value of the shares ; nominal joint stock capitals created ; net amount of subscription monies received : average per share ; expenditure on works beyond amount of subscriptions ; gross expenditure : average per share ; estimated current expenditure for the future ; houses and buildings supplied ; gross rental ; average rates per building supplied ; total quantity of water in hogsheads supplied yearly ; average charge per 1,000 hogsheads computed in gross rental ; average daily supply per house or building, including manufactories ; mean and highest elevation at which water is supplied.

——— Report from the select committee of the House of Lords appointed to inquire into the supply of water to the Metropolis ; and to report thereon to the House ; with the minutes of evidence, appendix, and index. London, 1840. Folio, pp. 100.

The principal part of the evidence taken was in examination of a scheme of a proposed company to be called the London and Westminster Water Company, which had for its object the supply of water from the springs under the chalk at Bushey meadows.

Appendices : Questions submitted to the New River, Chelsea, West Middlesex, and Grand Junction water companies—Answers to the questions by the New River Company, and letters from the other companies declining to answer the questions, as they considered such action would be detrimental to their interests, in view of the facts that a new competing company was being formed, and that the information asked for might be of considerable assistance to this new company in their operations.

——— [Another copy.]

The index is wanting.

——— Minutes of evidence taken before the select committee on the Metropolis water bill, with an index. London, 1851. Folio, pp. 814.

Tables in body of evidence : Comparative estimates of the annual cost for the daily supply of 50,000 gallons of filtered water to the Metropolis from the Thames between Twickenham and Thames Ditton, and from Farnham and the sand districts of Surrey, founded on an average of three years' expenditure of the Southwark and Vauxhall Company to Ladyday, 1851 (p. 136)—Statement of water pumped annually from the Thames, New River and Lea by the several water companies : number and horse power of engines at Brentford ; power of three engines used for distribution ; number and description of engines on the north and south side of the Thames ; sources from which the New River receive their supply : area of the New River Company's reservoirs ; dimensions and power of the East London Company's engines and wheels ; amount of engine power employed by the several companies ; capital expended by the several companies (pp. 188–196)—Statement of the discharge of the River Lea between Hertford and Fiddle's-weir, March, 1850 ; result of

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gangaings of the rivers Colne, Gade, Chess and Misbourn, March, 1850 (pp. 223-6)—Scale of quarterly charges for domestic and trade consumption and regulations of the Wolverhampton Waterworks Company (pp. 256-8)—Receipts and expenditure of the Metropolitan Parochial Water Supply Association (p. 359)—Calculations made upon the water supply to the Metropolis from several reports made to the General Board of Health by E. Cresy, superintendent inspector (p. 434)—Statements of amounts received and expended for the three years 1848-50, together with the rates authorised by Parliament or otherwise to be charged, by the nine water companies that supply the Metropolis (pp. 437-54)—Number of dwelling houses supplied by the Dundee Water Company on the 15th May, 1851 (p. 517)—Table of rates charged by the Manchester Waterworks (p. 557)—Capital that would be required to be expended by the East London Company in machinery and conduit pipes, and the extra annual expenditure, that would be incurred by them, if they were forced to resort to Eel Pie Island, between Twickenham and Teddlington, as a new source of supply; statement showing the number and description of tenants of the company; total quantities supplied to each description of tenant and the average quantity per diem to the same; quantity supplied per diem per tenant, with the various items for other than domestic supply, and the gross receipts from each class of tenants in the year 1850; average prices paid for coals by the East London Company during the last twenty-two years (pp. 612-3)—New River supply during June and July, 1850, from springs, Lea river and wells, by engines working 24 hours (p. 651)—Statement of rates charged by the East London Company to the houses on the east side of Shoreditch and Norton Folgate (p. 680)—Capital accounts for the years 1833 and 1850 of the New River, East London, West Middlesex, Chelsea, Hampstead, and Kent Companies and for the years 1810-50 of the Grand Junction Company (pp. 681-5)—Report on the water of the West Middlesex Waterworks Company by A. S. Taylor, M.D., and A. Aiken (pp. 690-6)—Dividends paid by the Chelsea Company from the period of its incorporation (p. 749)—Dates of the principal operations of the water companies up to the end of 1850; estimate of the difference in the expense of supplying water to the New River Head by means of gravitation or by pumping; capital account of the Southwark and Vauxhall Company (pp. 752-4)—Maximum, minimum and mean quantities of water pumped by the Chelsea Company in the years 1848-51 (p. 756)—Quantity of water pumped annually by the Chelsea Company between 1835 and 1850, with the prices charged during the same period for one thousand gallons (p. 760)—Rates of discount allowed at Leeds (p. 770)—Scale of charges payable quarterly by Nottingham for the supply of water for baths and water-closets, and for trades, manufactures and other special and public purposes (pp. 771-6)—Report of T. Hawksley, C.E., to the promoters of the proposed aqueduct company for supplying the Metropolis with pure water (pp. 784-8)—Report of the Manchester Gas Committee, showing their assets and engagements, together with a table of receipts and disbursements for the years 1847-50 (pp. 795-806)—Tables showing the total capital of the nine water companies and the average percentage received on the same for seventeen years; yearly expenses of the pumping establishments of the nine water companies; expenses of street work for one year of each company; salary of the secretary and engineer of each company; amount paid annually for rent, rates and taxes by the companies; capital account of the Lambeth Company for the years 1834-50 (pp. 807-9)—Brief statement of the Kent Company's constitution and proceedings (p. 819-3).

——— Minutes of evidence taken before the select committee on the Metropolis water bill. London, 1852. Folio, 2 vols.

Metropolis Water Supply Bill (pp. 35-333): Tables, etc., in body of evidence: Comparative analysis of the West Middlesex and eleven other waters (p. 95)—Analyses of samples taken from six parts of the river (p. 111)—Accounts of the Lambeth Water Company, setting out the receipts and payments for the years 1848-51 (p. 234).

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Appendices : Tabular abstract of returns made by the overseers of the poor of various parishes in pursuance of an order of the select committee of the House of Commons on the Metropolis water supply bill, 5th April, 1852, of the number of houses rated to the poor rate at the following sums : £50, £40 to £50, £30 to £40, £20 to £30, £15 to £20, £10 to £15, and under £10.

Chelsea Waterworks Bill (pp. 343-476) : Tables, etc., in body of evidence —Dates of the principal operations of the company, together with the cost of plant then in existence.

Appendices : Property and income tax, assessors' certificates of first assessments under schedule A for the following places. Sloane-street, Thurloe-square, Devonshire-street, Portland-place, Homer-street, Chapel-street, Hamilton-terrace, Edgware-road, Warwick-street, Hyde-park-gardens, Westbourne-terrace, Stockbridge-terrace, Eaton-place, Belgrave-square, Upper Brook-street, New Bond-street and Grosvenor-square—Return by Chelsea Water Company of assessments to water rates in Sloane-street, Stockbridge-terrace, Eaton-place, Belgrave-square and Warwick-street for the years 1849 to 1851—Return of assessments to water rates in mews for the years 1849 to 1851—Return of the number of houses of each class and the water rates paid by them—Quantity of water pumped annually by the Chelsea Water Company between 1835 and 1850, with the prices charged during the same period for one thousand gallons—Dividends paid by the Chelsea Company from the period of its incorporation, 1723 to 1850 (pp. 431-55).

New River Bill (pp. 485-592 and 828-68) : Tables, etc., in body of evidence : Amount of capital expended by the company up to the end of each of the years 1820 to 1851 (p. 585)—Particulars of the additions to the capital since the return to the select committee of 1834, completed to 1833 inclusive (p. 586)—Capital, additions to capital out of income, gross dividends paid to proprietors, total income, etc., for the years 1821 to 1851 (p. 591)—Estimate of the number of rooms and houses in each class, of the annual value of each house, and of the total value in the New River district (p. 839).

New River and East London Waterworks Bill and East London Waterworks Bill (pp. 615-72 and 1-53, sec. 2).

Lea River Trust Bill (pp. 673-732) : Tables, etc., in body of evidence : Tolls payable on this navigation from the 16th January, 1849—Rates of tonnage payable on and after the 1st March, 1852—Return showing the gauging of the whole River Lea at Fielde's-weir, the junction of the Stort, including the abstraction of water by the New River Company at the balance engine between Hertford and Ware, with the registers of the rainfall at Greenwich, Fielde's-weir, Hatfield, and Hitchin—Gauging of the River Lea, showing the discharge of the several tributary streams forming the total volume of the river for the first fortnight in May, 1852.

Wandle Water and Sewage Bill (pp. 733-823).

Southwark and Vauxhall Water Company Bill (pp. 55-7, sec. 2) : Tables, etc., in body of evidence—The capital, additions to capital, gross receipts, current expenses, net income, percentage of net income on total capital for the years 1838 to 1852 (p. 59, sec. 2)—The rates and amount charged for water, the rates and amount authorised to be charged by the company's Act (4 and 5 Will. IV., c. 79), number of houses under each rate, annual value of all houses, etc. (p. 70, sec. 2).

Grand Junction Waterworks Company Bill (pp. 79-87, sec. 2) : Tables, etc., in body of evidence : The company's expenditure on works, gross receipts, current expenses, total net income and dividend paid to proprietors (p. 81, sec. 2)—Statement showing number of houses, number of high and extra services, including water-closets, baths, and small trades, and gross annual value and amount of rates charged thereon both for ordinary and high service (p. 87, sec. 2).

West Middlesex Waterworks Bill (pp. 89-107, sec. 2).

London (Watford) Spring Water Company Bill (pp. 109-342, sec. 2) : Tables, etc., in body of evidence : Places included in the parliamentary powers of the company's bill, and now unsupplied by any existing water company, as returned by the Registrar-General ; number of houses and

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population of the places included in the parliamentary powers of the company supplied by existing water companies ; total number of houses and population of the before-mentioned places, both unsupplied and supplied (pp. 165-6, sec. 2)—Details of cost of works, plant, etc. (p. 176, sec. 2)—Estimate for distributing pipes for supplying 40,000 houses, consisting of 7,953 houses in the upland district and 32,047 houses in the Metropolitan district, with 170 gallons of water each per diem, with annual income and expenditure—Estimate of distributing mains and pipes for 80,000 houses, consisting of 20,000 houses supplied with 170 gallons of water each per diem, and 60,000 houses with 60 gallons each per diem for drinking and personal ablution (pp. 192-3, sec. 2).

—— Report and minutes of evidence of select committee on East London water bills, etc. ; together with the proceedings of the committee, minutes of evidence, appendix and index. London, 1867. Folio, pp. xlviii., 523.

Tables in body of evidence, *inter alia* : List of places in the City of London where a constant supply of water from the New River or East London water companies' mains has been furnished through stand-pipes, for the service of houses in the occupation of the poor (p. 136)—Brighton Waterworks : Table showing number of services and consumption of water, 1862 to 1866 (p. 211)—Amount of storage for water and proportion of water-closets in the poorer houses of London (p. 217)—Table of analysis of the Kent water, from the pumping-well at Deptford and from a public main at New Cross, 1861 to 1866 (p. 250)—Return of moneys expended on capital account by the Lambeth Waterworks Company since 1848 and by the other four Thames water companies since 1852 (p. 250).

Appendices, *inter alia* : Memorandum of information required from the Metropolitan water companies under the "Metropolis Water Act, 1852," for the use of the committee on the East London water bills, etc.—Return of such information from each of the companies—Acts of Parliament relating to the water companies—Tables : (1) General properties of the water supplied by the Metropolitan water companies in 1867, before and after filtration at the works ; (2) analysis of water supplied by the companies in 1867, before and after filtration at the works ; (3) variations of water supplied by the companies during each month of the years 1865 and 1866 ; (4) comparison of the quality and quantity of water supplied by the companies in the years 1851, 1856, and 1867 ; (5) quality of water supplied to 27 towns in England ; and (6) composition of the waters of the pumps and surface wells of the City of London—Return of the average daily quantity of water supplied by each of the companies—Return of the amount of capital, rate of dividend and bonus (if any) of the several companies for the years 1850-51, 1860-61, and 1865-66—Particulars of the documents put in as evidence on the part of the water companies—Water companies supplying each of the parishes and districts constituted under the Metropolis Management Act of 1855, number of vestrymen and health officers, area in statute acres, annual value of property assessed in 1866, estimated population in 1866, deaths and the rate of mortality to 10,000 population from all causes and from cholera and diarrhoea, density of population, elevation and annual value of property per head of population—Meteorological table for London, 1866—Extracts from Dr. Farr's report to the Registrar-General on cholera in England, 1848-49—Extracts from Dr. Farr's letter to the Registrar-General on the cholera epidemic of 1853-54—Extracts from the Registrar-General's weekly returns during the course of the epidemic—Memoranda as to waste of water at Boston, U.S., under constant supply (extracted from the annual reports of the Water Board to the City Council)—Return of the number of houses erected or rebuilt since the year 1855, etc., showing whether every such house has been provided with a water-closet or privy, and how many of each, also, if a water-closet, whether it has been provided with a suitable water

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supply, water supply apparatus, and other works necessary to secure the efficient operation thereof—Minutes of evidence on the East London Waterworks (Thames Supply) Bill and the East London Waterworks (Various Powers) Bill—Plan of the districts supplied.

—— Royal commission on water supply: report of the commissioners; with minutes of evidence and appendix. London, 1861. Folio, 3 vols.

Appointed to ascertain what supply of unpolluted and wholesome water can be obtained by collecting and storing water in the high grounds of England and Wales, either by the aid of natural lakes or by artificial reservoirs, at a sufficient elevation for the supply of the large towns, and to report, firstly, which of such sources are best suited for the supply of the Metropolis and its suburbs, and secondly, how the supply from the remaining sources may be most beneficially distributed among the principal towns; and also to inquire into the present water supply of the Metropolis, and whether there are other districts, in addition to the high districts of England and Wales, from which a good supply of unpolluted and wholesome water can be obtained.

Appendices: Mr. Pole's report on the selection of samples of water in the Cumberland and Westmoreland lake districts and North Wales—Supplement to the last-mentioned report—Drs. Frankland and Odling's report on the chemical quality of the above samples—Reprint of Mr. J. F. Bateman's pamphlet on the Metropolis water supply, with tables showing estimated cost of new supply from North Wales—General particulars of the drainage areas, estimated supply of water and reservoirs—Analyses of water collected from the streams in North Wales proposed to be tapped—Analyses of waters supplied by the Metropolitan water companies in 1856, 1862, 1863 and 1865—Average rainfall in the Cumberland and Westmoreland lake district from 1844 to 1853—Average rainfall in the Loch Katrine district of the Glasgow Corporation Waterworks—Rainfall in the Manchester Waterworks district for the ten years ending December 31st, 1864—Yield of the Rivington district derived from information afforded by Thomas Duncan, Esq., 1865—Gross annual revenue, working expenses, and dividends and interest paid on the capital and borrowed money of the seven water companies supplying the Metropolis—Table of the entire works of the Metropolis water supply, 1865—Comparative statement of revenue derived at Manchester, Glasgow and Liverpool from the public and domestic water rates, and from supplies of water to suburban districts, and for trading purposes—Reprint of Messrs. Hennans and Hassard's pamphlet on the future water supply of London—Letter from Dr. Clark on the hardness of water—Memorandum by Mr. Bravender on the upper part of the Thames basin—Reprint of Mr. J. F. Bateman's report on a constant supply for London—Memoranda of the cost of pumping and filtration—Returns as to the capabilities of the Metropolitan waterworks drawing water from the Thames for increasing the quantity of water taken—Details furnished by Mr. J. F. Bateman in illustration of his evidence as regards the Welsh scheme and the Thames supply—Tables of the average number of gallons of water supplied daily by the Metropolitan water companies in the years 1866, 1867 and 1868—Mr. Pole's report on the selection of samples of water in the basin of the Thames—Returns of the qualities of water supplied by the Metropolitan water companies in former years, giving the daily average supply and number of houses supplied in each year (the returns of the Chelsea, Southwark and Vauxhall, Grand Junction, and Lambeth Water Companies extend from 1857 to 1867, New River Water Company from 1858 to 1867, East London Water Company from 1830 to 1867, Kent Water Company from 1839 to 1867)—Extract from report of the Commission of 1851 on the chemical quality of the London water—Analyses of Metropolitan waters by Drs. Letheby and Odling and Professor Abel, 1867, showing general properties of the water before and after filtration at the

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works—Variations of the waters supplied in the years 1865 and 1866—Comparison of quality and quantity of water supplied in the years 1851, 1856 and 1867—Quality of water supplied to large towns in England—Composition of the waters of the pumps and surface wells of the City of London—Report by Drs. Letheby and Odling, and Professor Abel on the quality of the waters, 1868, with tables showing the general properties and analyses of the waters supplied by the Metropolitan water companies in May, June and July, 1868—Examples of the Registrar-General's monthly reports on the London waters, with tables showing analyses of the Metropolitan waters in February, March and August, 1867—Weight of solid impurity, organic carbon, nitrogen as nitrates and nitrites, ammonia, total combined nitrogen and previous sewage contamination in 100,000 parts, degrees of hardness, and other points of comparison of the London with some non-metropolitan waters in 1867 and 1868—Average number of houses, etc., and average daily supply of water in gallons supplied by the companies in 1867 and 1868—Analyses of the Metropolitan waters in January, February and June, 1868—Report from Professor Wanklyn on the quality of the water supplied in the Metropolis—Particulars of water supplies to various provincial towns—Preliminary report from Drs. Frankland and Odling on the waters of the Thames basin—Report by Dr. E. Frankland on the chemical quality of samples collected in the basin of the Thames, giving results of complete analyses of Thames and other waters, results of partial analyses of Thames water, series of analyses illustrating purification of sewage at Croydon, change in the chemical character of Thames water during its flow through populous districts—Dr. Pole's report on the collection of further samples of water from the Thames basin—Report on gravitation water supplies to large towns, viz., Manchester, Liverpool, Penrith, Glasgow, Newcastle-on-Tyne and Bristol—Report on the drought of 1868 as regards its effects on gravitation water supplies to large towns, viz., Manchester, Stockport, Rochdale, Bury, Bolton, Liverpool, Preston, Kendal, Newcastle-on-Tyne, Bradford, Halifax and Sheffield—Supplementary report by Drs. Frankland and Odling on the chemical quality of samples of water collected in the basin of the Thames—Letter from the engineer of the New River Company—Extracts from Messrs. Hoffman and Blyth's analysis of London waters, 1856—Information from Mr. Taunton as to gaugings of the Thames at Lechlade and other data affecting the upper basin of the Thames, abstract of rain at Thames Head, 1859 to 1868—Thames and Severn Canal Navigation, abstract of weekly returns as to summit level for 1863, 1864, and 1865—Letters on the deficient supply of water in case of fire in the Borough of Southwark—Letters from Messrs. Hassard and Symons on the rainfall in the Lake district during the drought of 1868.

Maps, drawings and diagrams: Mr. Bateman's project, maps of the aqueduct and district—Messrs. Hemans and Hassard's project, maps of district, line of aqueduct, longitudinal sections of aqueduct, transverse sections of aqueduct—Mr. Dale's project, map and section—Diagram of storage in Liverpool reservoirs—Diagram of Kent Waterworks supply—Mr. McLean's project, map and section—Mr. Bailey Denton's plan—Map of Manchester Waterworks—Geological sections near Cirencester—Geological map of the Thames basin—Contoured map of Thames basin—Geological sections of Thames basin—Mr. Mylne's project—Mr. Fulton's project, maps of district and line of aqueduct—Map and longitudinal section of a part of the Thames—Transverse sections of a part of the Thames—Mr. Harrison's diagram of rainfall and discharges in Thames basin—Diagram of diminution of flow in same—Diagram of water level in chalk—Diagrams illustrating statistics of the Metropolitan population—Mr. Bateman's service reservoirs and mode of distribution, sections of reservoirs—Glasgow Waterworks aqueduct from Loch Katrine—Mr. Bateman's project, Welsh reservoirs, aqueducts—Details for checking estimates of Lake scheme—Mr. Symons' rain gauge map of Wales—Districts and works of London water companies—Population and parish map of London—Geological map of Lake district—Contoured map of Lake district—Geological map of Welsh district—Contoured map of Welsh

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district—South Staffordshire Waterworks—Diagrams of storage in Halifax Waterworks, 1868—Sections of the Thames and Severn and the Stroudwater canals—Map of rivers of England and Wales with their catchment basins—Map of water supply to various Lancashire towns.

——— [Another copy.]

Wanting all except the appendices.

——— Special report from the select committee on the Metropolis water (no. 2) bill; together with the proceedings of the committee and minutes of evidence. London, 1871. Folio, pp. xx., 219.

——— Minutes of proceedings taken before the commissioners appointed by the Board of Trade to hold an inquiry in relation to the regulations for a constant supply of water to the Metropolis under the Metropolis Water Act, 1871. London, 1873. Folio, pp. 286. and index.

Tables, etc., in body of evidence: Rules and regulations of the Lambeth Company respecting supplies of water, together with rates and charges, 1859 (pp. 61-5)—Tottenham Local Board of Health, regulations for the constant supply of water for domestic purposes (pp. 85-6)—Brighton Waterworks, table showing number of services and consumption of water: regulations of the Brighton, Hove and Preston Constant Service Waterworks Company, to be observed by all persons laying on water from the company's mains (pp. 117-8)—Manchester Corporation Waterworks, general instructions to authorised plumbers, and supply of water, 1867-71 (pp. 126-8)—Metropolis Water Act, 1871: statement of Mr. Stephenson's estimate: water companies regulations; particulars of alterations necessary to be made to a six-roomed house, rental value £24 per annum, in order to comply with the regulations proposed by the water companies, as compared with those proposed by the Metropolitan Board of Works (pp. 136-8)—Revised copy of the preceding (pp. 141-4)—List of the fittings which the London water companies at present propose to keep at their office as samples (pp. 145-6)—Local Board of Bedford, charges for water supply, regulations for water supply and connecting house drains (pp. 150-1)—Sheffield Waterworks, regulations and notice of intention to apply for confirmation thereof (pp. 175-8)—Regulations to be observed for preventing water misuse, undue consumption or contamination of the water supplied by the Commissioners (pp. 181-6)—Constant supply questions submitted to the companies by the Commissioners, with the companies' replies (pp. 187-90).

——— [Another copy.]

The index is wanting.

——— Report from the select committee on London water supply; together with the proceedings of the committee, minutes, minutes of evidence, appendix and index. London, 1880. Folio, pp. xx., 334, and index.

To inquire and report as to the expediency of acquiring on behalf of the inhabitants of London the undertakings of the existing Metropolitan water companies, and also to examine and report whether certain agreements, or any of them already entered into provisionally for the purchase of these companies would furnish a satisfactory basis for such an acquisition, and further to inquire and report as to the nature and extent of the powers of the water companies to levy water rates and rents, and how far it may be desirable to modify the same.

Tables, etc., in body of evidence: The powers of the companies in relation

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to supply (pp. 2-5)—The basis on which the water rates are assessed, as ascertained from the companies (p. 6).

Appendices : Statutory powers as to dividends of the Metropolitan water companies—General and special legislation of the eight companies—Report on the audit of the accounts of the water companies during the year 1879—Statement of share and loan capital and of expenditure for works of the water companies on certain dates mentioned—Receipts and expenditure of the companies during the year ending 31st December, 1879—Details of the increase in the water supplies to the Metropolis from 1872 to 1879, with agreeing figures to compare with the returns of the Registrar-General's reports for the same period—Tables with reference to future capital expenditure—Accounts for the years 1871 to 1879, details of expenditure and revenue—Expenditure and revenue per million gallons—Expenditure and revenue per million gallons, showing the increase or decrease in each item in the year 1879 as compared with 1871, and the mean for the eight years—Table of outlay and estimated cost of supply at the rate of 33½ gallons per head—Metropolis waterworks purchase bill, agreements with the eight Metropolitan water companies—Statement of the conditions of the Birmingham water purchase, submitted by Alderman Avery, the negotiator on the part of the Corporation of Birmingham—Return giving a financial statement on which the calculations are based of payments to be made to London water companies under proposed Metropolis waterworks purchase bill, and additional revenue required to provide for prospective increase and calculation of income up to 1893 inclusive; also, in columns, name of company; amount of preference and debenture stock; debentures and loans; total of same; ordinary share capital; total net revenue; total dividend paid on debenture and preference stock; on debentures and loans during the last eight years; net revenue less interest on debentures; rate per cent. of interest on ordinary capital; total gross receipts and working expenses, separating maintenance and management, in the latter specifying allowance to directors, salaries of secretaries, clerks, auditors, commission to collectors, law and parliamentary charges; rate of increase per cent. under all items of receipts and expenditure for eight years past; rate of interest of net earnings per cent. for last eight years; statement for last eight years of cost of repairs of reservoirs, filtering beds; repairs of mains, pipes; pumping; engine charges; coals; wages; filtration; salaries of engineers, inspectors and superintendents; rates and taxes; miscellaneous rents; total maintenance; allowance to directors; salaries of officials; secretaries; commission to collectors; stationery, printing and general charges; law and parliamentary charges; total management; total expenses, gross and net; percentage of gross receipts to net; also showing average cost per million gallons of working expenses, all so far as they are in the auditor's accounts—Dividends paid per original share between 1852 and 1879 by the New River Company—Correspondence relating to the London water supply.

——— [Another copy.]

——— Report from the select committee of the House of Lords on water companies (regulation of powers) bill; together with the proceedings of the committee, and minutes of evidence. London, 1885. Folio, pp. xii., 171.

——— Special report from the select committee on the London water commission bill; together with the proceedings of the committee, minutes of evidence, appendix and index. London, 1891. Folio, pp. xxvi., 464.

Appendices : Superannuations to officers, comparison of scale in bill with civil service scale—Comparison of the actual profits of the old shareholders (*i.e.*, holders of shares existing in 1880) with the annuities these shareholders would have received under Mr. Smith's arrangement for the year 1890—

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Comparison of the actual profits of the old shareholders (*i.e.*, holders of shares existing in 1880) with the aggregate annuities these shareholders would have received under Mr. Smith's arrangement for the whole period 1880-90—Birmingham water rental compared with annuities to old companies—Statement of the corrected volumes of the average daily discharges of the river Thames at Teddington-weir, the maximum and minimum daily discharge for each of the months entered, and the percentage of the corrected volumes withdrawn for the supply of the Metropolis from 1885 to 1889, both inclusive—Table showing annual growth of houses, population, and water consumed in London (within the Metropolitan water area)—Details of the total water supplied according to the various sources—Approximate estimate, compiled (except population) from agricultural returns, Board of Agriculture, 1890, showing number of horses, cattle, sheep, and pigs, and population (estimate 1891) in so much of each county as lies within the Thames and Lea basins above the intakes of the water companies—Memorandum of the Board of Trade on the Metropolis gas bills of the present session—Memorandum by the vice-chairman of the London County Council having reference to the recommendations submitted by the special committee on the water supply and markets—Memorandum on behalf of the London County Council—Memorandum prepared under the directions of the County Purposes Committee of their communications with the London County Council on the subject of the water supply of the Metropolis—Replies to letter asking vestries and district boards to express by resolution their opinion of the Metropolis water supply bill—Petitions from the vestries of Bethnal-green, Islington, and Kensington, and from the Wandsworth District Board of Works to the House of Commons—Addendum to Part II. of tables showing annual growth of water, *etc.*, consumed in London, within the Metropolitan area, (water examiner's report, 1887-90)—Populations and areas within the basins of the rivers Thames and Lea above the intakes of the water companies—Total population within the basin of the Thames and its tributaries above the intakes of the water companies at Sunbury, Hampton, *etc.*—Total areas (in acres and square miles) of the counties within the basin of the Thames and its tributaries above the intakes of the water companies at Sunbury, Hampton, *etc.*—Total population and area within the basin of the Lea and its tributaries above the intake of the East London Water Company at Chingford—Summary of the population and areas of the Thames and Lea basins—Addendum to page 5 of the London County Council's engineer's report, "London Water Supply Inquiry," dated October, 1890—Average and minimum discharge over Teddington-weir in August, 1885, and August, 1887.

—— [Another copy.]

—— Report of the royal commission appointed to inquire into the water supply of the Metropolis; together with minutes of evidence, appendix and index. London, 1893. Folio, 5 vols in 3.

Appointed to ascertain whether, taking into consideration the growth of the population of the Metropolis and the districts within the limits of the Metropolitan water companies, and also the needs of the localities not supplied by any Metropolitan company, but within the watersheds of the Thames and the Lea, the present sources of supply of these companies are adequate in quantity and quality, and, if inadequate, whether such supply as may be required can be obtained within the watersheds referred to, having due regard to the claims of the districts outside the Metropolis but within those watersheds, or will have to be obtained outside the watersheds of the Thames and Lea.

Appendices: Statements made by the New River, East London, West Middlesex, Chelsea, Grand Junction, Southwark and Vauxhall, Lambeth, and Kent water companies—Table showing net increase in number of supplies of New River Company in eight periods of five years each from 1851 to 1891—Average daily discharge of the Chadwell spring—Population within the

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Lea watershed above the New River Company's intake—Periods of minimum discharge over Fielde's-weir during which the New River Company took their full quantity of water, 22½ million gallons per day—Quantity of water supplied for trade and other non-domestic purposes by the New River Company—Tables showing the flow of the river Lea at Fielde's-weir—Quantity of water supplied for trade and other non-domestic purposes by the East London Company—Rainfall in the Lea basin—Number of houses in certain parishes supplied by the East London Company within and without the County of London—Letter from the secretary of the East London Company as to the number of houses and supplies in certain parishes—Scheme of W. B. Bryan, showing the capability of the river Lea to yield additional water—Table showing for the Chelsea Company the quantity of water supplied for trade and non-domestic purposes, number of supplies and population in district, and quantity of water pumped—Water supplied by meter to clubs by Grand Junction Company—Analyses by the late C. M. Tidy, M.B., M.A., of samples of water from natural filtration works of the Southwark and Vauxhall Company—Maximum quantity of water supplied per day by the Southwark and Vauxhall Company—Tables showing for the Kent Company the estimated population supplied, daily consumption of water in selected towns and in the district, average daily supply through Deacon's meters in portions of the district—Extract from water examiner's report as to statistics of the Kent Company—Tables showing the quantity of water supplied from the Kent Company's wells and the water levels in thirteen weeks ended 9th July, 1892, in six months ended 30th June, 1892, and in twelve months ended 31st December, 1891—Statement by the Conservators of the Thames—Agreements made between the Thames Conservancy and the water companies respecting the quantity of water to be taken from the river—Particulars of sewage works of towns and places on the Thames and its tributaries—Daily volume of discharge at Teddington-weir for the years 1883 to 1892 inclusive—Abstract of estimates and gaugings of the volume of discharge of the Thames at Teddington-weir—Table showing volume of discharge, together with quantities abstracted by the companies—Analyses of samples of Thames river water by C. E. Groves, F.R.S.—Statement of further evidence by J. H. Gough, secretary to the Thames Conservancy—Lists of towns and villages above Staines, and between Staines and the intakes of the companies, showing those which been visited and those from which the passage of sewage has been stopped—Towns on the Thames and its tributaries where sewage works of a systematic character have been executed, with details of such works—Sewage works in respect of which adverse reports have been made—Correspondence between the Southwark and Vauxhall Company and the Conservators of the Thames as to the quantity of water taken daily from the river by the company—Statements by J. C. More, engineer to the Thames Conservancy Board, by G. Corble, clerk of the Lea Conservancy Board, and by J. Child, engineer to the Lea Conservancy Board—Discharge over Fielde's-weir—Statements by Major L. Flower, sanitary engineer to the Lea Conservancy Board, as to the disposal of sewage on land in the watershed of the Lea, and by W. C. Young, consulting chemist to the Lea Conservancy Board, as to quality of various waters in the basin, with tables of analyses—Evidence as to available supply from the Thames—Supplementary tables of minimum discharge over Fielde's weir—Tables to accompany the evidence of A. R. Binnie: average supply by each of the Metropolitan water companies in the year 1891—As to rates per head per day—Chalk wells in or around the County of London—Population of the Thames and Lea valleys—Reservoirs proposed by the Thames Conservancy in the upper part of that valley—Proposed reservoirs at Staines, proposed tidal compensation reservoirs in the Lea valley—Memorandum by the secretary to the government of the Punjab on the decrease of cholera at Nagpur after the introduction of a pure water supply—Rainfall over the watersheds of the Thames and Lea—Pollutions in the Thames valley below Oxford—Pollutions in the Thames above Oxford, including the river Cherwell—Pollutions in the Lea valley—Chemistry and bacteriology of the London water supply, with

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analyses—Filtration and bacteriology of the Metropolitan waters and the resources of the Thames basin for the future supply of London—Statement on behalf of the London County Council—The Metropolitan water supply in relation to the health of London—Chemistry of filtered and unfiltered waters of the Thames and Lea basins with analyses—Further evidence as to the chemistry of filtered and unfiltered waters of the Thames and Lea basins with analyses—Statement on behalf of the Surrey County Council—Letter from the chairman of the Water Supply Committee of the Essex County Council—Disposal of the sewage of the borough of Hertford—Inspection and analysis of Hertford sewage effluent—Sewage treatment at Hertford, with analyses—Particulars of Hertford sewage works—London water supply, and death-rate in towns supplied with hard and soft water—Population and water supply in the districts of the Metropolitan water companies—On the quantity of water to be obtained from the Thames without injury to that river—On the quantity of water available in the watersheds of the Thames and Lea—Summary of particulars of mills—Proposed reservoirs in the Kennet valley—Quantity of water required per head of population—Chalk as a source of supply—Water from the chalk and effect of its abstraction upon surface and underground waters—Proposed reservoirs in the tributary valleys of the upper Thames—Hertfordshire rainfall, percolation and evaporation—Depletion of surface and underground waters in Hertfordshire due to the operations of the New River and East London Companies—The water-bearing qualities of the rocks within or adjacent to the basins of the Thames and Lea—Reservoir sites in the upper Thames valley—Measurements of the geological areas in the basins of the Thames and Lea—The chalk areas of East Kent—Geological character of the reservoir sites selected by Messrs. Marten and Rofe—Supplementary supply from wells in the London area—Evidence as to the lowering of the water line in the chalk and the delivery of chalk water into the lower Thames—Proposed sites for reservoirs in the Upper Thames basin—Chalk as a source of water supply—Swallow-holes in the chalk of the Thames basin—Chalk of the London basin—Water (chiefly from chalk) in northern Kent—Water obtainable from wells by the Kent Company—Rainfall and percolation in Hertfordshire, and the effect on surface and underground water produced from pumping from the chalk for the supply of London—Wells sunk for the supply of London—The wholesomeness of the present water supply shown by reference to statistical, chemical and bacteriological evidence—Analysis of the waters supplied to London in comparison with that of waters supplied to other cities and towns—The fitness of flood water for supplying storage reservoirs—Bacteriological notes—Bacteriological examination of the London water supply—Bacteriology of the river waters, with remarks on (a) the self-purification of the river Thames, (b) the purification effected by sewage farms, and (c) the purification brought about in the filter-beds of the companies' waterworks—Experiments showing effect of subsidence on the number of bacteria in suspension, examination of the Oxford effluent, and experiments with the typhoid bacillus—Character of bacteria in London water—Chemistry and bacteriology of the London water supply with special reference to the influence of storage and filtration—Experiments showing the results obtained by storage and filtration of the water taken from the river by the London companies—The water supply in relation to the public health—Proposed storage reservoirs near Staines—Supplemental statement of W. Hunter, C.E.—Flow of the tributaries of the upper Thames in its relation to the proposed impounding reservoirs—Summer discharges of certain Thames tributaries compared with those of normal areas, and the discharge of the Thames and Severn in relation to their respective rainfalls—Pathogenic bacteria in relation to water supply—Observations on Dr. Barry's report upon an epidemic prevalence of enteric fever in the Tees valley in 1890—Selected letters and statements from county councils, rural and urban sanitary authorities—Notes of an interview with Sir George Buchanan—Abstract of reports made by medical officers of the Local Government Board in cases where water supplies have been suspected of causing epidemic prevalence of enteric fever—Tables showing population of registration London

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at each census, 1801-91—Death rates from enteric fever in London and other large towns—Average annual deaths in registration London, grouped by the sources of water supply—Future population of greater London—Population of Thames catchment basin—Population of Lea catchment basin—Number of person supplied with water by the eight London water companies in 1891—Population and area of parishes within water London, but outside greater London—Number of deaths annually from enteric fever in the water basins of the Thames and Lea above the intakes of the water companies—Report by Mr. R. E. Middleton, C.E., assistant commissioner, on an inquiry into the alleged depletion of rivers, springs and wells in Hertfordshire—Rainfall in the valleys of the Thames and Lea compared with volumes of water discharged at Teddington and Fieelde's-weir—Gaugings at Teddington-weir—Special gaugings at Sunbury and Molesey weirs—Report on allowances for slip and short stroke.

Maps, etc. : Contour map of the Thames and Lea basins together with the north-east part of the county of Kent, showing positions suggested for storage reservoirs—Geological map of the Thames and Lea basins together with the north-east part of the county of Kent—Geological sections—London County Council's map of the parliamentary areas of water companies in and around greater London beyond the limits of the County of London—Parliamentary areas and districts of supply of the eight Metropolitan water companies—G. J. Symon's map of the rainfall in the valleys of the Thames and Lea—Dr. E. Frankland's diagram of maximum and minimum proportion of organic matter in water from Thames, Lea and deep wells—Thames flow and rainfall—Thames levels—Lea flow—Rainfall and percolation at Lea bridge—New River spring and wells—G. F. Deacon's diagram of Thames and Severn rainfall and evaporation—G. F. Deacon's diagram of Thames and Severn monthly flow compared with rainfall—R. E. Middleton's water contour map of part of Hertfordshire.

— Report from the select committee on London water (transfer) bills ; together with the proceedings of the committee, minutes of evidence, appendix and index. London, 1895. Folio, pp. xxii., 389.

Appendices : Report of the Parliamentary Committee, 12th February, 1891, and the adjourned report of 17th February, 1891, arranged under the following heads : Introductory ; main questions for consideration defined ; circumstances of London the same as most other large towns ; general principles of water supply applicable ; report of Sir W. Harcourt's Committee ; some objections to transfer of water supply to the Council discussed ; London water commission bill ; constitution of commission ; initial difficulties of proposed commission ; subsequent difficulties ; probable future action of the commission examined ; Metropolis water supply ; obligations imposed on trust under vestry bill ; scheme of arbitration under the vestry bill ; financial scheme of the vestry bill ; summary of objections to the vestry bill ; doubts whether a commission or trust would be much improvement on the companies ; second main question discussed ; observations on the value of existing works ; statistics of other towns ; a new supply cheaper than purchasing on companies' terms ; indications of Parliamentary policy ; provisions of vestry bill as to transfer to Council ; proceedings of the select committee of 1891 on Tuesday, 14th July, 1891—Copy of demand note for payment of water-charges issued by the Southwark and Vauxhall Water Company—Form of first and second applications used by the Lambeth Water Company—Examples of annual charges at various rateable values for water supplied by the Lambeth, Southwark and Vauxhall and West Middlesex water companies as compared with Birmingham, Glasgow and Leicester water companies—Report of the water committee of the London County Council, February 1st, 1895—Copy of correspondence between the Local Government Board and the Surrey County Council—Tables referred to in Mr. A. R. Binnie's evidence (daily average natural flow in million gallons,

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inclusive of the quantity abstracted by the water companies during several months of the years 1884, 1885, 1887 and 1893; flow of the Thames at Teddington-weir for the months of July, August and September, 1893-94; table showing daily quantities of water claimed or taken from the Thames above Molesey by six of the eight Metropolitan water companies, 1891)—Proceedings of a conference between members of the London County Council and members of Parliament and representatives of various authorities in the Metropolitan area outside the County of London, 8th May, 1891, and also of a conference held at the County Hall between the Water Committee and representatives of county councils and local authorities outside the County of London, but within the area of supply of the Metropolitan water companies, 30th July, 1891, together with a copy of a letter addressed to the several bodies by the London County Council.

Bound up with this report are copies of the bills of the Chelsea and Lambeth companies, and the bills introduced by the London County Council for the transfer of the Lambeth and Southwark and Vauxhall companies.

— Special report from the select committee on the London water companies' bills; together with the proceedings of the committee, minutes of evidence, and index. London, 1896. Folio, pp. xxviii., 500.

To inquire into all bills promoted in the session of 1896 by the London water companies under a special instruction from the House, that it be a special instruction to the committee (*a*) not to confer additional powers except so far as the same may be proved to the satisfaction of the committee to be required for works or for the acquisition of land, the construction or acquisition of which cannot be postponed without detriment to the interests of the public; and (*b*) to insert in any bill authorising the creation of further capital, provisions which shall prohibit the application of such capital to any purpose other than the construction of the works or the acquisition of the land for which it is authorised by the bill to be raised, or the expenses of the bill; and a second instruction, with reference to the New River Company bill, that it be an instruction to the Committee to consider whether it is desirable to insert any special provisions with a view to preserving for the use of the public the same quantity of open space as is defined and appropriated for such use by the "Muswell-hill Act, 1866," and if so, to insert such special provisions in the bill.

Contents: Minutes of evidence; Chelsea water bill (pp. 1-23)—Lambeth water bill (pp. 24-49)—Staines reservoirs bill (pp. 50-345)—New River Company bill (pp. 346-424)—Southwark and Vauxhall water bill (p. 425-452).

Tables, etc., in body of evidence, *inter alia*: Table showing the average daily supply during year, and the highest monthly average daily supply during year, of the West Middlesex and Grand Junction companies for each of the years 1875 to 1894 (p. 57)—Estimate of the average daily supply during year, and highest monthly average daily supply during year at 15·4 per cent. additional for the West Middlesex and 16 per cent. additional for the Grand Junction Company, for each of the years 1895 to 1901 (p. 59)—Table showing, for each of the years 1883-91, number of days during which 250, 300, and 350 million gallons or less flowed over Bell weir; number of consecutive days during which 250, 300 and 350 million gallons or less flowed over Pell weir; and average quantity deficient or available per day for consecutive days (p. 64)—Average daily supply, average number of hours supplied, and average rate of supply per head of the West Middlesex, Grand Junction, and New River companies, for each of the years 1884-95 (pp. 77-8)—Report to the water committee of the London County Council, containing tables showing for each of the Metropolitan companies: estimated population, estimated daily supply per head, supply

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